



E18 Gas Insert

Owners &
Installation Manual



MODELS: E18-NG Natural Gas E18-LP Propane

WARNING:

If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

FOR YOUR SAFETY

What to do if you smell gas:

- Do not try to light any appliance
- Do not touch any electrical switch: do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.



*Installer: Please complete the details on the back cover
and leave this manual with the homeowner.*

Homeowner: Please keep these instructions for future reference.

CONGRATULATIONS!

You are the owner of a state-of-the-art Gas Insert by:
FPI FIREPLACE PRODUCTS INTERNATIONAL LTD.

The Regency® Gas Fireplace Series has been designed to provide you with all the warmth and charm of a fireplace, at the flick of a switch. The models E18-NG and E18-LP of this series have been approved by Warnock Hersey for safety. As it also bears our own mark, it promises to provide you with economy, comfort and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Regency® Fireplace.



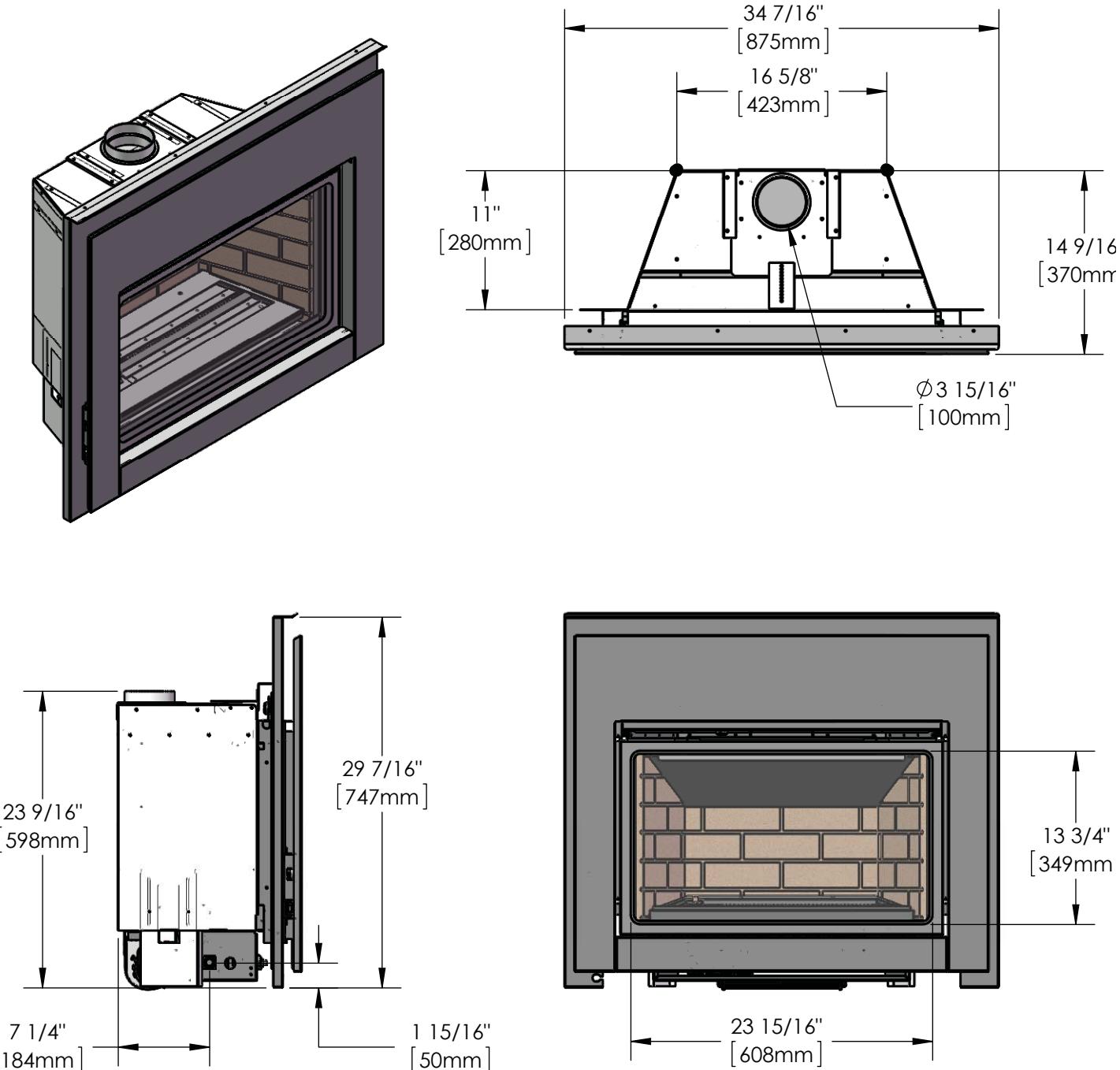


Diagram 1.1

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This is a copy of the label that accompanies each Regency® Gas Insert. We have printed a copy of the contents here for your review. The safety label is located on the front inside base of the unit visible when the bottom louver is open.

Note: Regency® units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

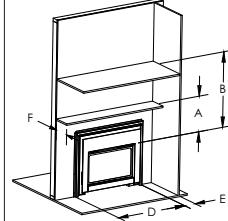
Please note that with the addition of thermostat control and outside combustion air supply, this unit is approved for bedroom installations.

For the State of Massachusetts, installation and repair must be done by a plumber or gasfitter licensed in the Commonwealth of Massachusetts.

For the State of Massachusetts, flexible connectors shall not exceed 36 inches in length.

For the State of Massachusetts, the appliances individual manual shut-off must be a t-handle type valve.

The State of Massachusetts requires the installation of a carbon monoxide alarm in accordance with NFPA 720 and a CO alarm with battery back up in the same room where the gas appliance is installed.

415	Duplicate Serial number																												
DO NOT REMOVE THIS LABEL / NE PAS ENLEVER CETTE ETIQUETTE																													
415	Serial No. / No de serie																												
<p>Intertek 4001172</p> <p>ETL LISTED</p> <p>VENTED GAS FIREPLACE HEATER / FOYER AU GAZ À ÉVACUATION</p> <p>Certified for/Certifiée pour: CANADA and U.S.A.</p> <p>Tested to: CAN/CGA-2.17-M91(R2009)</p> <p>Conforms to: ANSI Z21.88a-2012</p> <p>Certified to: CSA 2.33a-2012</p>																													
NATURAL GAS FIREPLACE INSERT: MODEL E18-NG																													
Factory Equipped For Altitude 0-4500ft. (0-1370m)																													
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<p>This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1, or Natural Gas and Propane Installation Code, CSA B149.1.</p> <p>This appliance must be installed in accordance with the Standard CAN/CSA-Z240 MH, Mobile Housing, in Canada, or with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States, or when such a standard is not applicable, ANSI/NCSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard or ANSI A119.2 or NFPA 501C Standard for Recreational Vehicles.</p> <p>This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owner's manual for details.</p> <p>WARNING: This fireplace has been converted for use with a gas fireplace insert only and cannot be used for burning wood or solid fuels unless all original parts have been replaced, and the fireplace re-approved by the authority having jurisdiction.</p> <p>Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation ANSI Z223.1, National Fuel Gas Code ou CSA-B149.1 en vigueur.</p> <p>Installer l'appareil selon la norme CAN/CSA-Z240, Série MM, Maison mobiles ou CAN/CSA-Z240 VC, Véhicules de camping, ou la norme 24 CFR Part 3280, Manufactured Home Construction and Safety Standard. Si ces normes ne sont pas pertinentes, utilisez la norme ANSI/NCSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard, ou ANSI A119.2 ou NFPA 501C Standard for Recreational Vehicles.</p> <p>Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique. Cet appareil peut être installé dans une maison préfabriquée ou mobile (É.-U. seulement) installée à demeure si les règlements locaux le permettent. Voir la notice de l'utilisateur pour plus de renseignements. Cet appareil ne peut pas être utilisé avec d'autres gaz sauf si une trousse de conversion certifiée est fournie.</p> <p>AVERTISSEMENT : Ce foyer a été converti pour utilisation avec un foyer au gaz encastrable et ne peut être utilisé pour brûler du bois ou d'autres combustibles solides à moins que toutes les pièces d'origine aient été remplacées et que le foyer ait été approuvé de nouveau par l'autorité compétente.</p> <p>This vented gas fireplace heater is not for use with air filters. Ne pas utiliser de filtre à air avec ce foyer au gaz à évacuation. For use with glass doors certified with the appliance only. Pour utilisation uniquement avec les portes en verre certifiées avec l'appareil</p> <p>VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUELS. / FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE.</p> <p>Electrical supply / Électricité 115VAC, 2.5 A, 60Hz, Less than 10A Fan Part # 911-071</p> <p style="text-align: right;">FPI Fireplace Products International Ltd. Delta BC, CANADA MADE IN CANADA / FABRIQUE AU CANADA 919-179a</p>																													

REQUIREMENTS

MA Code - CO Detector (for the State of Massachusetts only)

5.08: Modifications to NFPA-54, Chapter 10

(2) Revise 10.8.3 by adding the following additional requirements:

(a) For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gasfitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gasfitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "**GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS**".

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and

2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

BEFORE YOU START

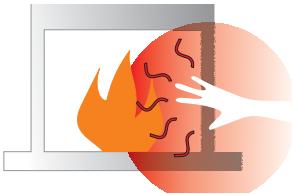
Safe installation and operation of this appliance requires common sense, however, we are required by the Canadian Safety Standards and ANSI Standards to make you aware of the following:

INSTALLATION AND REPAIR SHOULD BE DONE BY AN AUTHORIZED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERYES.

WARNING: FAILURE TO INSTALL THIS APPLIANCE CORRECTLY WILL VOID YOUR WARRANTY AND MAY CAUSE A SERIOUS HOUSE FIRE.

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES, ESPECIALLY THE FIREPLACE GLASS, AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.



YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME AREA AS THE APPLIANCE. TODDLERS, YOUNG CHILDREN AND OTHERS MAY BE SUSCEPTIBLE TO ACCIDENTAL CONTACT BURNS. A PHYSICAL BARRIER IS RECOMMENDED IF THERE ARE AT RISK INDIVIDUALS IN THE HOUSE. TO RESTRICT ACCESS TO A FIREPLACE OR STOVE, INSTALL AN ADJUSTABLE SAFETY GATE TO KEEP TODDLERS, YOUNG CHILDREN AND OTHER AT RISK INDIVIDUALS OUT OF THE ROOM AND AWAY FROM HOT SURFACES.

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

IMPORTANT MESSAGE SAVE THESE INSTRUCTIONS

The Regency® Gas Fireplace must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the "authority having jurisdiction" to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with the manufacturer's instructions and all applicable codes.

GENERAL SAFETY INFORMATION

The condition of the appliance, that the E18 is to be installed into, shall be in accordance with reasonable concepts of safety, substantiality and durability. Component parts shall be well fitted and not show signs of becoming warped, bent, broken or otherwise damaged during the installation. Every part of the appliance shall be secured against displacement and constructed to maintain a fixed relationship between essential parts under normal and reasonable conditions of handling and usage.

1. The appliance installation must conform with local codes or, in the absence of local codes, with the current Canadian or National Gas Codes, CAN1-B149 or ANSI Z223.1 Installation Codes.
2. The appliance when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes with the current National Electrical Code, ANSI/NFPA 70 or CSA C22.1 Canadian Electrical Code.
3. See general construction and assembly instructions. The appliance and vent should be enclosed.
4. This appliance must be connected to the specified vent and termination cap to the outside of the building envelope. Never vent to another room or inside a building. Make sure that the vent is installed as per Venting instructions.
5. This appliance may only be installed in a vented, solid fuel burning masonry, in any of the approved zero clearance gas appliances listed in this manual, or as a zero clearance appliance with the zero clearance kit.
6. This appliance is Listed for bedroom installations when used with a Listed Millivolt Thermostat. Outside combustion air supply is also required. Some areas may have further requirements, check local codes before installation.

7. This appliance is Listed for Alcove installations, maintain minimum Alcove clearances as follows, minimum ceiling height of 37-7/8" from the top of the glass door, minimum width of 49" and a maximum depth of 29".

8. Inspect the venting system annually for blockage and any signs of deterioration.

9. Any safety glass removed for servicing must be replaced prior to operating the appliance.

10. To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace insert.

11. Wear gloves and safety glasses for protection while doing required maintenance.

12. Ensure adequate combustion and ventilation air.

13. Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance.

14. Installation and any repairs to this appliance should be done by a qualified service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.

15. Do not slam shut or strike the glass door.

16. Under no circumstances should any solid fuels (wood, paper, cardboard, coal, etc.) be used in this appliance.

17. The appliance area must be kept clear and free of combustible materials, (gases and other flammable vapours and liquids).

18. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the electrical control system and any gas control which has been under water.

19. **WARNING: Failure to position the parts in accordance with the diagrams in this manual or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.**

20. **WARNING: Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shut-off system can result in carbon monoxide (CO) poisoning and possible death.**

Emissions from burning wood or gas could contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

INSTALLATION

POLICY FOR SOLID FUEL BURNING & FACTORY BUILT FIREPLACES

The Regency® E18 may be installed and vented into any solid fuel fireplace that has been installed in accordance with the National, Provincial and local building codes and is constructed of non-combustible materials.

1. Installer must mechanically attach the supplied label to the inside of the firebox of the fireplace into which the gas fireplace insert is installed.

"WARNING: This fireplace has been converted for use with a gas fireplace insert only and cannot be used for burning wood or solid fuels unless all original parts have been replaced, and the fireplace re-approved by the authority having jurisdiction."

2. If the factory-built fireplace doesn't have gas access hole(s) provided, an access hole of 1-1/2" (37.5mm) or less may be drilled though the lower sides or bottom of the firebox in a proper workmanship like manner. This access hole must be plugged with a non-combustible insulation after the gas supply line has been installed.
3. The fireplace flue damper can be fully blocked open or removed for installation of the gas fireplace insert.
4. The fireplace and fireplace chimney must be clean and in good working order and constructed of non-combustible materials.
5. The chimney cleanouts must fit properly.
6. Refractory (firebricks), glass doors, screen rails, screen mesh and log grates can be removed from the fireplace before installing the gas fireplace insert.
7. Smoke shelves, shields and baffles may be removed if attached by mechanical fasteners. If any part is removed it must not weaken the structural integrity of the factory built.
8. Trim panels or surrounds shall not seal ventilation openings in the fireplace.
9. Do not cut any sheet-metal parts of the fireplace, in which the gas fireplace insert is to be installed.

INSTALLATION CHECKLIST

1. Locate your appliance. Refer to the "Clearances to Combustibles" and "Minimum Fireplace Clearances" sections.
2. Make gas and electrical connections. Refer to the "Gas Connection" section.
Test the pilot. Must be as per diagram in the "Valve Description" section.
3. Install Flue Connector. Refer to the "Flue Connector Installation" section.
4. Install vent. Refer to the "Venting" section.
5. Test Gas pressure. Refer to the "Gas Pipe Pressure Testing" section.
Check aeration. Refer to the "Gas Insert Aeration System" section.
6. Test for flue spillage. Refer to the "Test for Flue Spillage" section.
7. Install standard and optional features. Refer to the following sections where applicable:
 - a. Brick or Enamel Panels
 - b. Faceplate & Trim
 - c. Circulation Fan
 - d. Remote Control
 - e. Wall Switch
 - f. Wall Thermostat
8. Final check. Refer to the "Final Check" section.

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and operation fully explained to customer.

This includes:

1. Clocking the appliance to ensure the correct firing rate (rate noted on label) after burning appliance for 15 minutes.
2. If required, adjusting the primary air to ensure that the flame does not carbon. First allow the unit to burn for 15-20 min. to stabilize.
3. Ensure that the appliance is venting correctly.

CAUTION: Any alteration to the product that causes sooting or carboning that results in damage is not the responsibility of the manufacturer.

Specifications		
For Altitude:	Natural Gas	0-4500 ft.
	Propane	0-4500 ft.
Burner Orifice Sizes:		
Burner	Natural Gas #44	Propane #55
Max. Input Rating		
- Natural Gas	21,600 Btu/h	
- Propane	20,500 Btu/h	
Min. Input Rating		
- Natural Gas +/-5%	15,000 Btu/h	
- Propane +/-5%	17,000 Btu/h	
Supply Pressure		
Natural Gas	min. 5.0" w.c.	
Propane	min. 12.0" w.c.	
Manifold Pressure (High)		
Natural Gas	3.5" +/- 0.2" w.c.	
Propane	10" +/- 0.2" w.c.	
Circulation Fan: 120 VAC, 60 Hz		
Variable Speed: 127 CFM, thermally activated		

AIR SHUTTER ADJUSTMENT

The aeration adjustment rod is attached to the air shutter which is located just above the orifice bracket. The rod is used to adjust the aeration on the main burner without having to take the appliance apart.

The burner aeration is factory set but may need adjusting due to either the local gas supply, air supply or altitude.

Natural Gas: 3/16" open
Propane: Fully Open

Note: Any damage due to carboning resulting from improperly setting the aeration controls is NOT covered under warranty.

Note: Aeration Adjustment should only be performed by an authorized Regency® Installer at the time of installation or service.

HIGH ELEVATION

This unit is approved in Canada for altitude 0 to 4500 ft. (CAN/CGA 2.17-M91)

GAS PIPE PRESSURE TESTING

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig. (3.45 kPa). Disconnect piping from valve at pressures over 1/2 psig.

The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point.

Note: To properly check gas pressure, both inlet and manifold pressures should be checked using the valve pressure ports on the valve.

1. Make sure the valve is in the "OFF" position.
2. Loosen the "IN" and/or "OUT" pressure tap(s), turning counterclockwise with a 1/8" wide flat screwdriver.
3. Attach manometer to "IN" and/or "OUT" pressure tap(s) using a 5/16" ID hose.
4. Light the pilot and turn the valve to "ON" position. Read manometer.
5. The pressure check should be carried out with the unit burning and the setting should be within the limits specified on the safety label.
6. When finished reading manometer, turn off the gas valve, disconnect the hose and tighten the screw (clockwise) with a 1/8" flat screwdriver. **Note: Screw should be snug, but do not over tighten.**

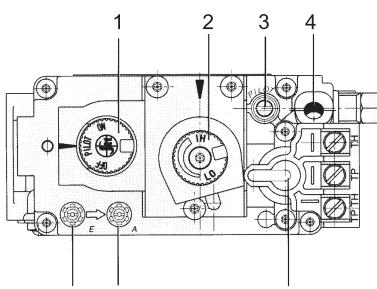
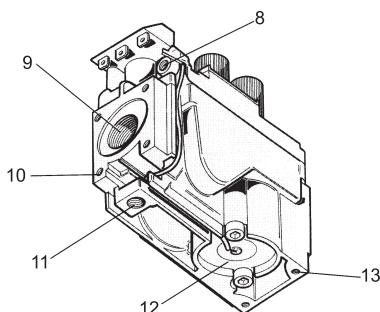


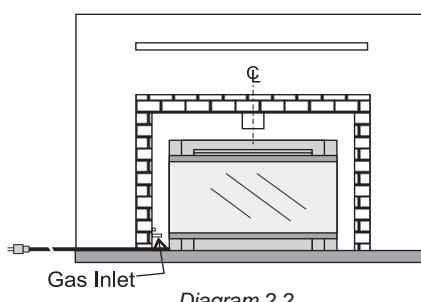
Diagram 2.1

For minimum and maximum supply pressure see the Specifications table.

1. If the appliance is to be installed into an existing chimney system, thoroughly clean the masonry fireplace that has been chosen for the Regency® Gas Fireplace.
2. The appliance is provided with an opening on the left hand side of the control compartment for the gas line.

Note: During any pressure testing of the gas supply piping system that exceeds test pressures of 1/2 psig, this appliance and its individual shut-off valve must be disconnected from the piping system. If test pressures equal to or less than 1/2 psig are used then this appliance must be isolated from the piping system by closing its individual manual shut-off valve during the testing.

CAUTION: If the glass is removed for servicing, it must be replaced prior to operating the appliance. The glass must be fixed in the closed position when operating.



GAS CONNECTION

Only persons licensed to work with gas piping may make the necessary gas connections to this appliance.

The gas connection is a 1/2" NPT accessible on the left side of the unit. The gas line connection may be made of rigid pipe, copper pipe or an approved flex connector. (If you are using rigid pipe, ensure that the valve can be removed for servicing.) Since some municipalities have additional local codes it is always best to consult with your local authorities and the CAN/CGA B149 installation code.

For USA installations follow local codes and/or the current National Fuel Gas Code, ANSI Z223.1.

When using copper or flex connectors use only approved fittings. Always provide a union so that gas lines can be easily disconnected for burner or fan servicing. Flare nuts for copper lines and flex connectors are usually considered to meet this requirement.

Important: Always check for gas leaks with a soap and water solution or gas leak detector. Do not use open flame for leak testing.

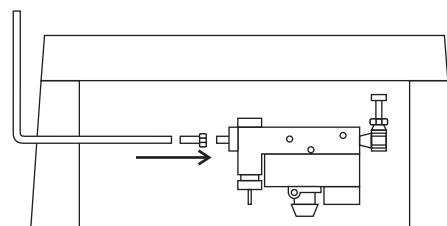


Diagram 2.3

INSTALLATION

INSTALLATION CHECKLIST

1. Verify the model of the existing appliance you are installing into is one of the following approved units:

Montigo EP28-2
Montigo EP28-4
Montigo EP28-5
Montigo EP28-S2
Montigo 36SP (Non powervent unit)
Montigo 28F-2
Montigo 28-F
Firesong 220N
Firesong 120N

2. Verify all clearances are at least the specified clearances.
3. Inspect existing venting and appliance for signs of wear and durability.
4. Determine the route for the electrical for the circulation fan. The circulation fan is not optional.
5. Determine the route for the gas supply. The valve has a 1/2" Male Flare on the left side of the E18. Some modification may need to be made to a hard lined gas supply to connect to the E18.
6. Clean out the existing appliance of all dust and debris.
7. Make the appropriate modifications to the existing appliance specified in the "Existing Appliance Modification" section of the manual. Make sure when done there are no sharp edges exposed to a person during operation of the unit.
8. Unpack the E18 from the box and disassemble.
9. Install the E18 into the existing unit as per instructions.
10. Connect Gas Supply.
11. Connect Circulation Fan Power Cord.
12. Test Fire the E18 and check gas pressures and confirm Circulation Fan begins operation with 10 minutes of firing the unit.
13. Check draft hood for spillage as per instructions.
14. Install Trim Kit as per instructions.

MATERIALS REQUIRED

Electrical power supply is required for the circulation fan. A 120 Volt AC power cord is hooked up to the fan. Plug the 3 wire cord into a suitable receptacle. Do not cut the ground terminal off under any circumstances. When connected with 120 volts, the appliance must be electrically grounded in accordance with local codes, or in the absence of local codes, with the current Canadian Electrical Code CSA C22.1 (in Canada) or with the current National Electrical Code ANSI/NFPA 70-1987 (in U.S.A.).

NOTE: This unit is equipped with a heat sensor thermodisc which will prevent the blower from operating until the unit reaches the correct temperature.

MINIMUM FIREPLACE OPENING FOR MASONRY AND FACTORY BUILT FIREPLACES

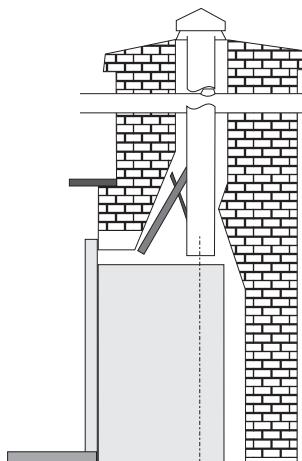
The minimum fireplace opening for this Regency gas insert are listed below.

Height	Depth	Width
23-3/8"	12-1/2"	32"

VENTING

THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

This appliance is designed to attach to a 4" diameter type B-Vent or double thickness approved aluminium flex liner.



The flue collar of the appliance will fit inside a standard vent and may be fastened directly to the vent using a minimum of 3 sheet metal screws or a B-Vent, single wall vent connector. B-Vent chimneys require a 1" clearance to combustibles.

The Regency® Insert incorporates its own internal draft hood, so no additional external draft hood is required. Check periodically that the vent is unrestricted and an adequate draft is present when the unit is in operation.

Before installing the vent system ensure that the damper plate is locked into the open position and secure to prevent the damper plate from falling down and crushing the liner.

The appliance is equipped with a vent safety shutoff system and a safety control system designed to protect against improper venting of combustion products. The appliance will not function without being connected to a proper system.

WARNING: Operation of this heater when not connected to a properly installed and maintained venting system or tampering with the vent shut-off system can result in carbon monoxide (CO) poisoning and possible death.

This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

For best venting performance, we **recommend** the following venting rules:

1. Use only certified Type B gas vent or approved flex liner.
2. Follow the vent manufacturer's instructions and clearance requirements.
3. Observe any local code restrictions, if any, regarding the installation of gas inserts.
4. Use as few elbows as possible.
5. Keep horizontal lengths as short as possible and maintain at least an upward slope of 1/4 in. (6.4mm) for every 12 in. (305mm) of horizontal run.
6. Terminate the vent with a suitable certified vent cap.

MINIMUM FIREPLACE CLEARANCES TO COMBUSTIBLES

Diagram shows the minimum clearances to any combustible material. Installer must check that all installs maintain at least these clearances..

The minimum clearance from the side of the appliance to a combustible side wall is 6" (229mm). The minimum clearance from the bottom edge of the front trim above the window to a combustible mantel is 17- 7/8" (454 mm). The minimum height from bottom edge of the front trim above the window to the ceiling is 37-7/8"(962 mm).

Note: A non-combustible mantel and framing may be installed at a closer tolerance if the framing is made of metal studs covered with a non-combustible board.

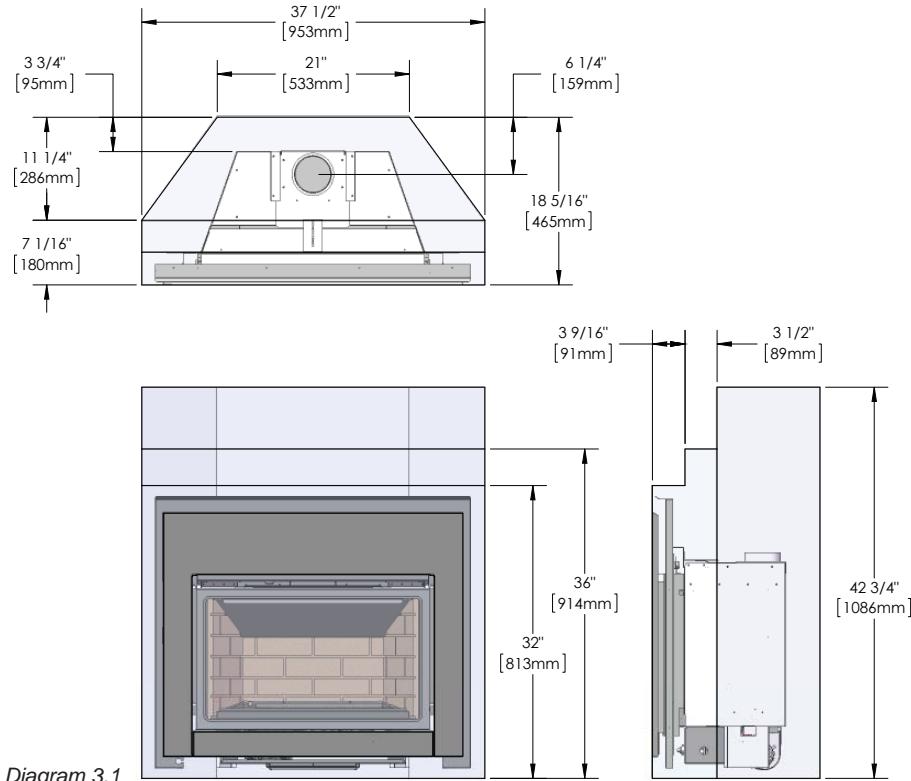


Diagram 3.1

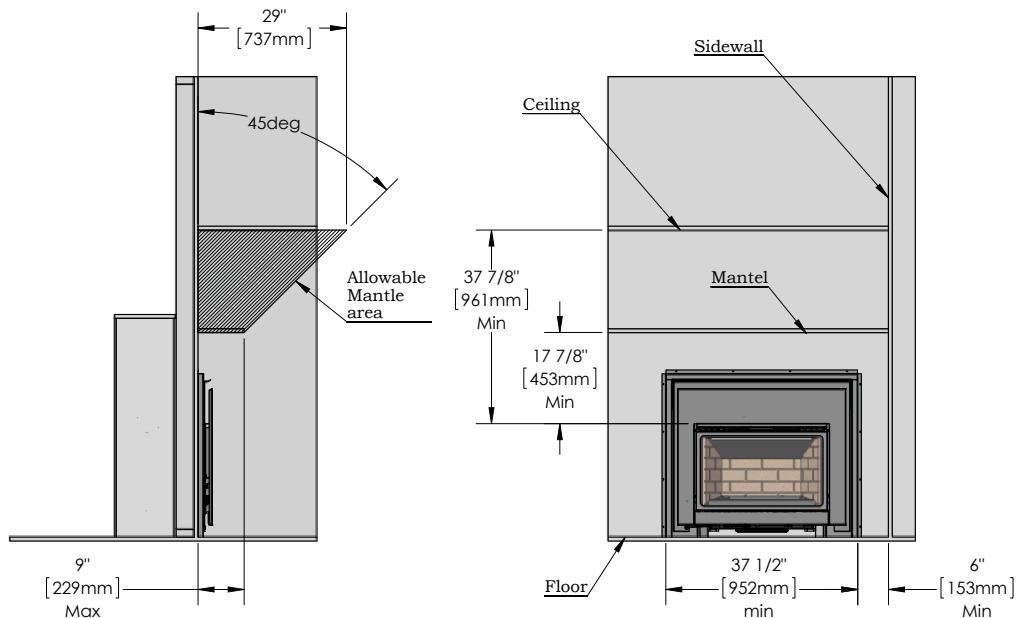


Diagram 3.2

INSTALLATION

ZERO CLEARANCE FRAMING

- When installing the E18 as a zero clearance, you will use the framing clearances in the following diagrams. Mantel and inside corner clearances can be found in Minimum Clearances to Combustibles.

- Attach the E18 to the Zero Clearance Kit.

- Attach the Zero Clearance Kit to the Framing.

- Install the Surround as per manual.

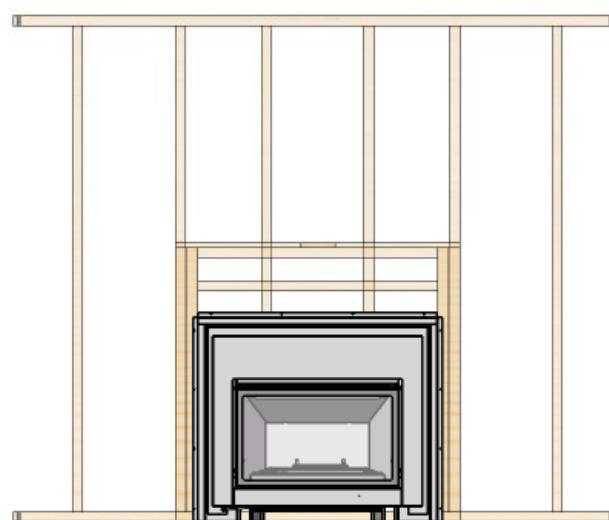
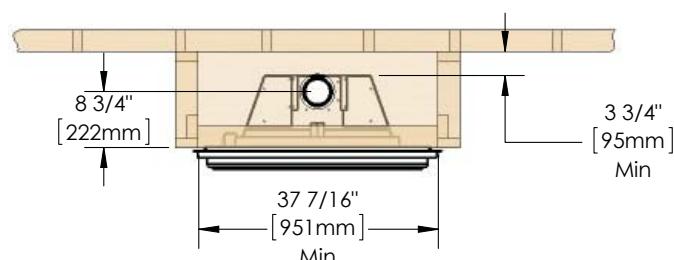


Diagram 4.1

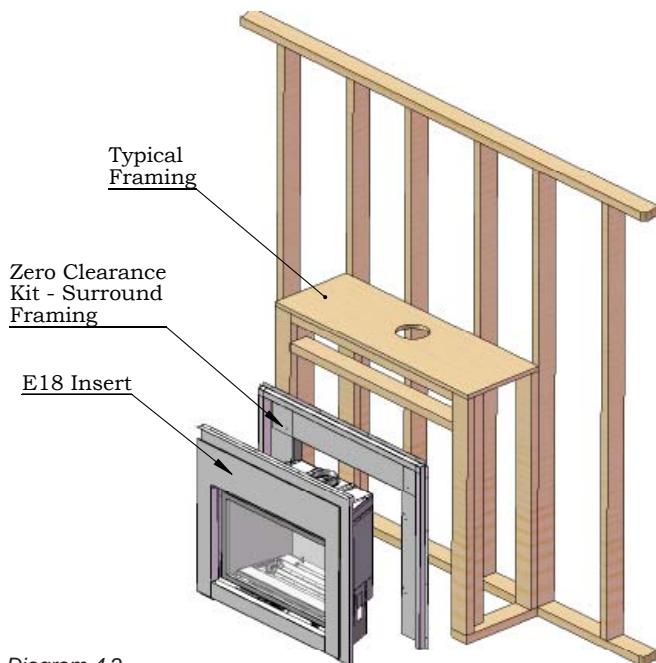
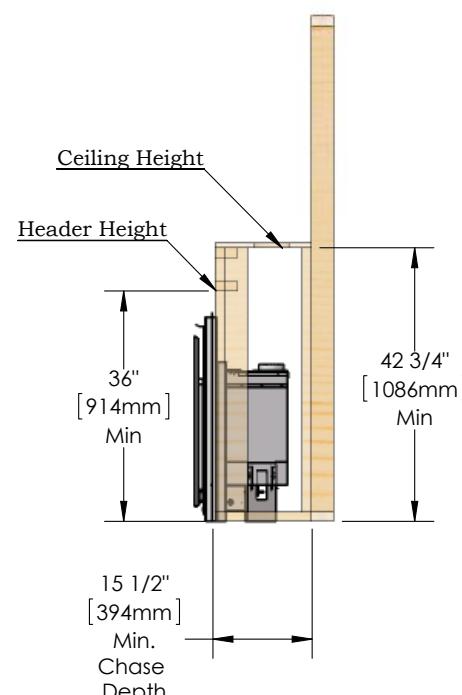


Diagram 4.2

VENTING CONFIGURATIONS

The E18 is approved to be attached to any of the approved appliances listed in the Installation Checklist. The existing unit must be connect to B-Vent Pipe having at least 8 feet of vertical venting and can having a maximum of 6 feet horizontal venting with two 90 degree elbows. The venting must terminate vertically with an approved B-Vent Cap.

When Installing the E18 as a Zero Clearance Unit, the E18 will connect to 4" B-Vent only. You must use a minimum of 8 feet of vertical pipe and you may use up to a maximum of 6 feet of horizontal pipe with two 9 degree elbows. The venting must terminate vertically with an approved B-Vent Cap.

All horizontal runs must maintain a 1/4" of rise for every foot of horizontal run.

ZERO CLEARANCE KIT INSTALLATION

616-900 E18 ZC Kit contains the following:	
1	ZC Left Section
1	ZC Right Section
1	ZC Base Section
1	ZC Back Center Section
1	ZC Trim surround LH
1	ZC Trim surround RH
1	ZC Trim surround Top
1	ZC Lower Trim piece
1	Steel Stud header (required)
26	(904-897) #8 x 9/16" black wafer screws
25	(904-576) #8 x 1/4" Phillips screws

NOTE: Before removing existing unit - ensure ZC kit will fit.

1. Shut down existing unit and allow to cool to room temperature.
2. Turn off gas supply and disconnect electrical.
3. Remove all accessories from existing unit, ie. glass doors, louvers, etc.
4. Remove any tiles, hearth or surround from existing unit (if required).
5. Disconnect gas supply from existing unit.
6. Cut away a perimeter of drywall around the existing unit to expose the framing. See example below.



Cut drywall

7. Uninstall existing unit from framing.



Remove unit from framing

8. Disconnect venting from existing unit - remove carefully to avoid damage.

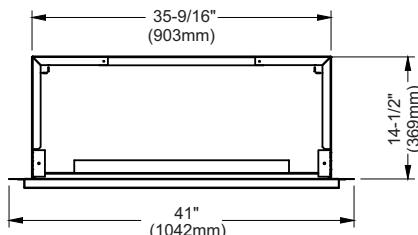
9. Remove existing unit from framed opening.



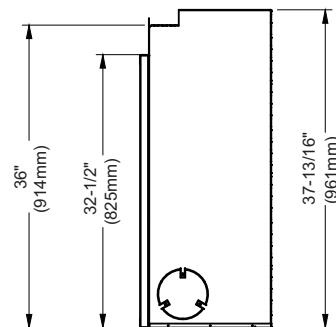
10. Measure framed opening and compare to dimension requirements for ZC kit (noted below).

Remove existing wood header and replace with supplied steel stud. Supplied stud will be longer than framed opening, adjust to fit before installing.

Additional adjustments to framed opening may be required.

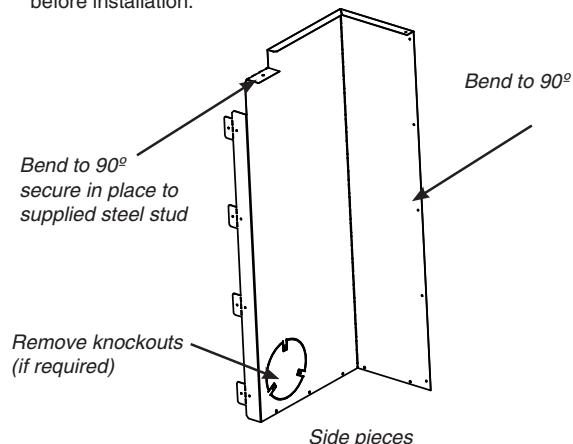


Framed opening - Top View



Framed opening - Side View

11. Bend ZC kit side pieces as shown and remove knockouts (if required) before installation.



INSTALLATION

12. When framing is complete, ensure wiring is installed by an electrician prior to installing ZC kit.
13. Install the base of the ZC kit first. Knockout may need to be removed to accommodate gas line - see below for example.



Base install

14. Install one side section of the ZC kit. Fasten side and back with (904-576) screws provided. Fasten the header tab (folded in Step 11 to the 2"X4" with 1 screw.

NOTE: Side/back sections—fit inside base section.



Sides/Back install

15. Install the back section of the ZC kit. Fasten bottom, back and side sections with (904-576) screws provided.

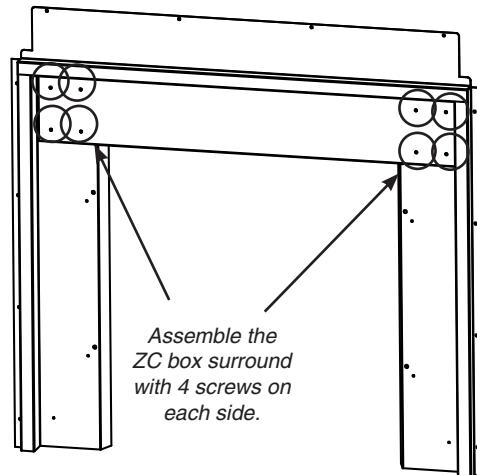


Fasten ZC box sections with provided screws.

16. Install the remaining side of the ZC kit. Bring the electrical box to the inside of the ZC kit. Fasten side and back sections with (904-576) screws provided.



17. Assemble ZC kit surround with 8 (904-897) screws provided in locations shown below.



18. Secure surround and outside flange of ZC sides to the stud on each side with (904-897) screws provided.



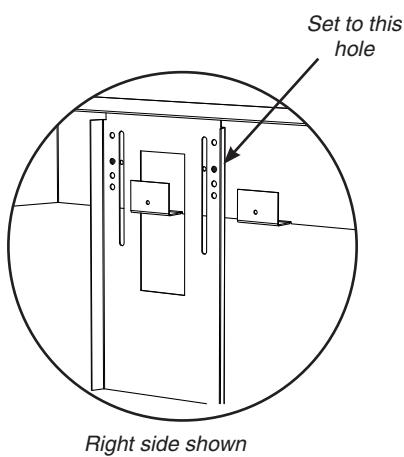
Use 4 screws on each side to secure surround and ZC box to studs.

19. ZC box and surround installed into framed opening.

20. Separate E18 inner and outer fireboxes - see E18 installation manual for details.

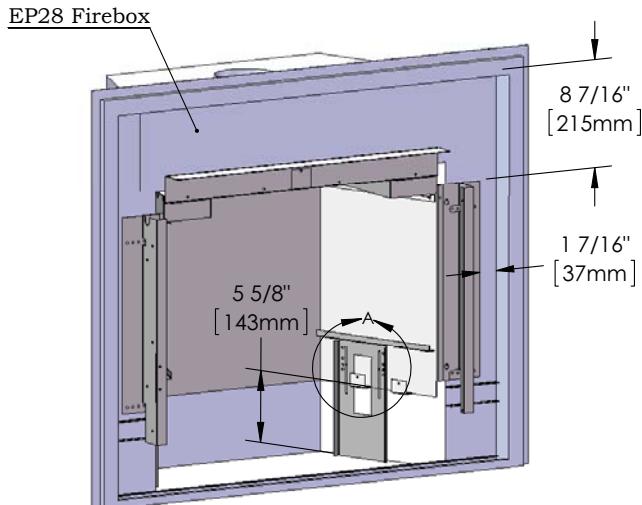


21. Set E18 outside firebox legs as shown below.



Outside firebox shown in position - refer to measurements (Step 22) before securing to surround.

22. Follow instructions in the manual for installation into a EP28-2 for exact measurements for installation of the outside firebox to the surround.



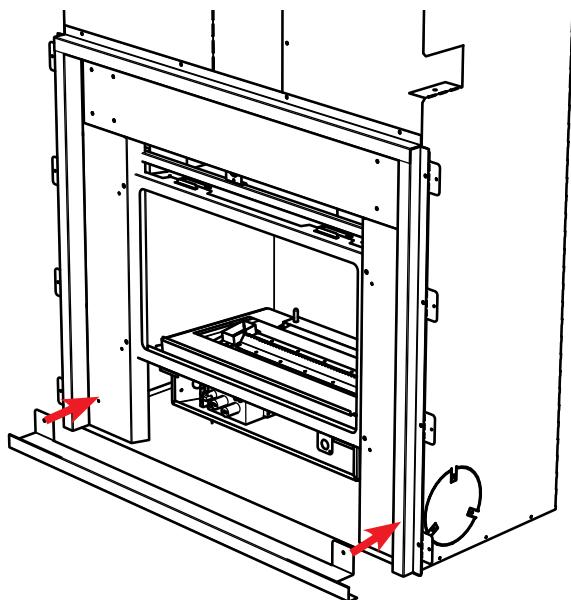
23. The top panel of the ZC surround may be removed to ease the installation of the venting - reinstall top panel after venting is installed.
*Extra venting may be required to get inside the ZC box. A 4" flex can be used if required (not provided), if inside ZC shell.



24. Follow instructions in the E18 installation manual to complete the install of inner firebox.
Follow Step 25 before installing faceplate.

INSTALLATION

25. Install lower trim piece with 2 (904-897) screws to the bottom of the ZC surround before installing faceplate.



REQUIRED STEPS AND PROCEDURES FOR E18 INSTALLATION

1. Locate model on existing ZC box - locate corresponding section in this manual.
2. Make necessary alteration to the ZC firebox as per manual.
3. Separate inner and outer fire box (see procedure in manual).
4. Remove flue adaptor for outer firebox.
5. Make necessary adjustment to flue adapter mounting plate as per manual.
6. Cut flex to required length and secure to top plate using 3 screws and washers.
7. Secure top plate flue adapter to ZC box.
8. Secure flue adapter to flex using 3 screws/washers.
9. Slide outer firebox into place, be sure flue adapter mounting screw doesn't hold unit up on installation.
10. Adjust left and right side lgs on outer shell (depends on ZC box it is being intalled in) - See details in manual.
11. Measure and align outer firebox as per manual, secure each corner using self tapping screws.
12. Install inner firebox into outer firebox, ensure draft hood bottom fits on top of draft hood slides, left side, right side and rear.
13. Secure inner firebox - 2 screws on top left and right side - using existing holes.
14. Secure inner firebox on bottom inside - 2 screws on each side. Be sure to re install panel brackets, and line up with existing holes.
15. Reinstall burner.
16. Make gas connection - check for leaks.
17. Install enamel panels.
18. Install Faceplate
19. Install Glass Crystals on burner.
20. Light pilot.
21. Install glass door.
22. Install thermostat.

TOOLS REQUIRED (SUGGESTED)

- Nibbler
- Oscillating tool / metal blades
- Tin snips
- Uni Bit/Step Drill
- Black high temp paint
- Drill/ $\frac{1}{4}$ " bit – Phillips bit
- Measuring tape
- Level
- Sharpie
- Shop vacuum

Optional:

- Plasma cutter
- Fibre drop sheet
- Fire extinguisher



Nibbler

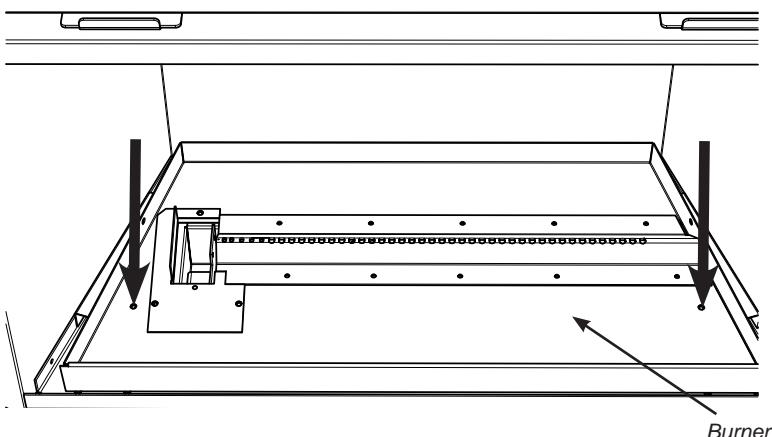


Oscillating tool

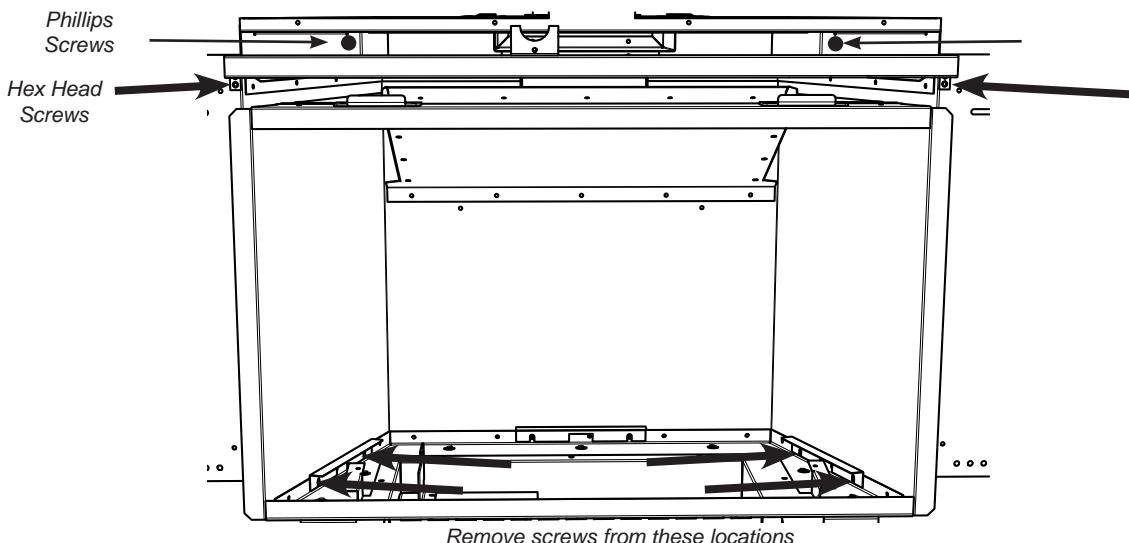
INSTALLATION

E18 SEPARATING THE OUTER FIREBOX SHELL FROM INNER FIREBOX

1. Lay fireplace insert on flat surface (use a drop sheet to protect surface).
2. Remove Glass Door by removing 2 x Phillips screws at the bottom of Glass Door Frame.
3. Remove burner by removing 2 x Phillips screws, take note of how aeration adjustment rod is routed.



4. Remove 2 Phillip screws from top left and right side (Thermodisc bracket). Remove 2 x 1/4" Hex head screws from top left side and right side of inner firebox.



5. Remove 4 Phillips crews - 2 per side, located on the bottom base of the firebox. Place screws and panel brackets aside for reinstallation.
6. Carefully lift out the inner firebox and set aside until required. Use caution with sleeved wires on the left side, place inner firebox aside.
7. Outer firebox shell is ready for installation.

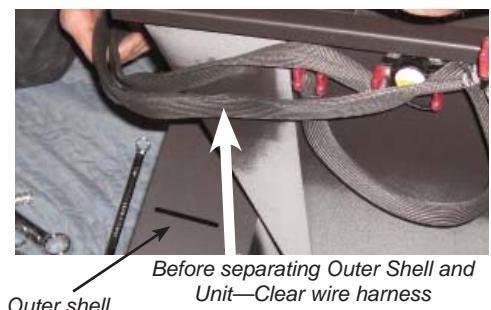
Refer to particular approved appliance in which the E18 is being installed into for the following:

Existing unit modifications

Adaptor setting

Required flex length

Leg setting / outer shell position both need to be **exact** as measurements indicated.



Outer shell

Before separating Outer Shell and Unit—Clear wire harness

MODIFICATION OF MONTIGO EP28-2, EP28-4 OR EP28-5

*Units could have any of the following Log Sets Installed: 2LB (2 Log Set), MB (2 Log Set), 4LB (4 Log Set)

1. Turn off unit, disconnect Gas and Power.
2. Remove Upper and Lower Louvers.
3. Remove Optional Doors or Screen Mesh.
4. Remove Logs.
5. Remove Bottom Door Rail (See Diagram 5.1).
6. Remove Burner Assembly (See Diagram 5.1).

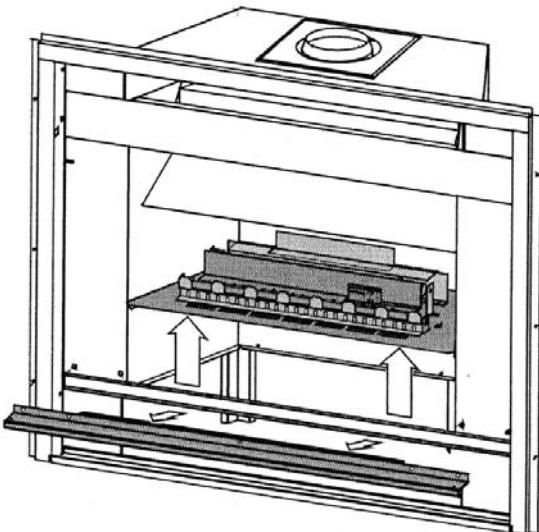


Diagram 5.1

7. Cut the Front Bar Out on the left and right Sides of the Firebox. (See Diagram 5.2). Grind the corners smooth on the left side - to reduce the risk of wires being cut. Alternate method is to cut front bar in the center and break off each side spot weld completely.

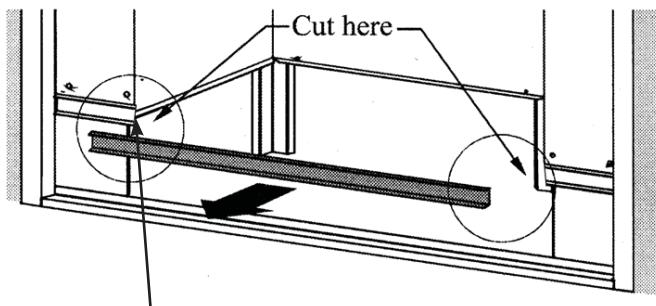


Diagram 5.2

8. Remove Hood and Inner Baffle (See Diagram 5.3).

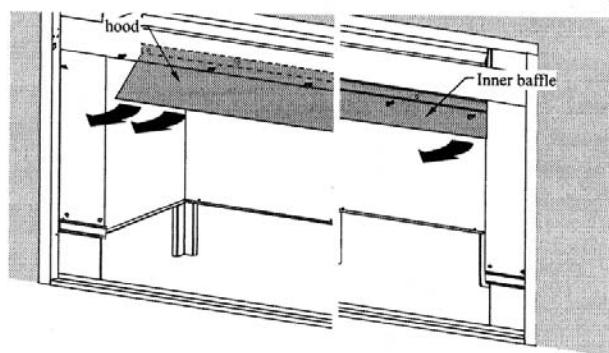


Diagram 5.3

9. Bend Down the Three Flanges at the Bottom of the Firebox or cut them off (See Diagram 5.4).



Diagram 5.4

Modified edges must be flush to allow proper seating of the E18 outer shell.

INSTALLATION

E18 INSTALLATION SPECIFICATIONS

See Installation of E18 into Existing Units for General Installation Guidance - for vent connection configuration.

This install of the E18 uses **Vent Connection Type A**.

The length of 4" Flex needed is 4 -1/8" semi-expanded.

Secure flue adapter top plate to under side of existing firebox using 4 self tapping screws.

The height of the unit installed is shown below.

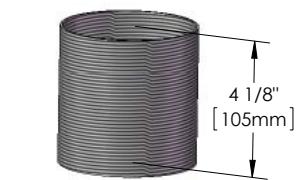
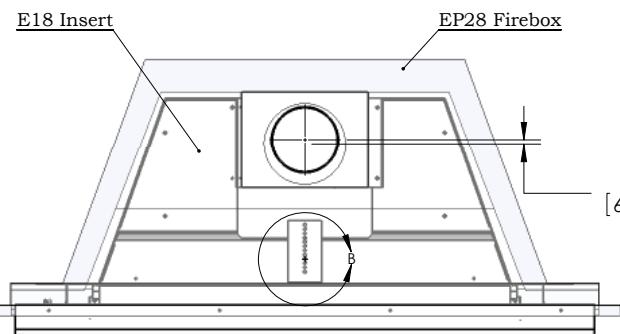
EP28-4 / EP28-5 INSTALLATION SPECIFICATIONS



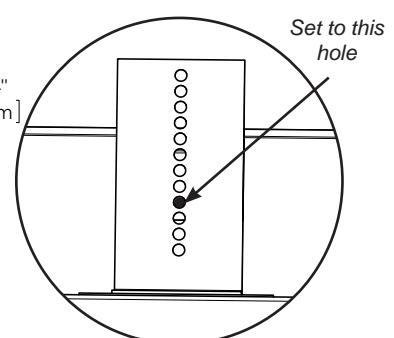
Secure top plate to firebox w/4 screws.



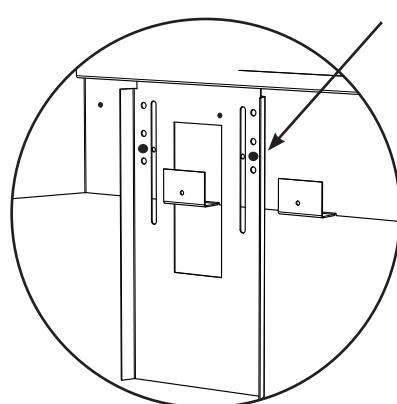
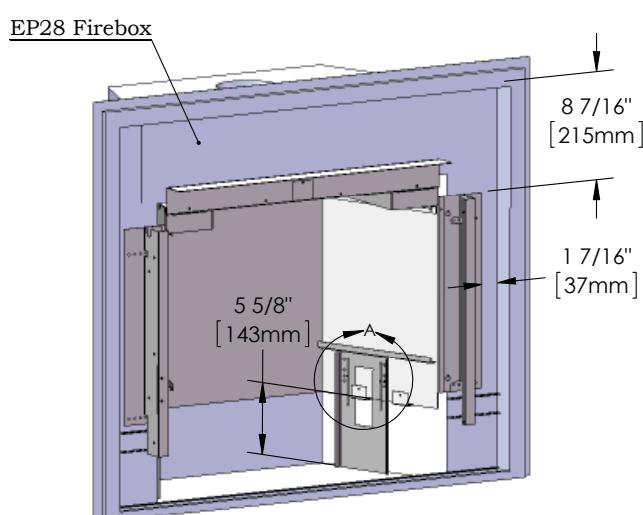
Secure vent slide plate to flex pipe with 4 screws



Flex Adaptor Length



Collar Plate Setting / Vent position



Right side shown

1. Loosen 2 x Phillips screws on both right and left legs.

2. See above diagram below for required leg setting.

3 Install with supplied Phillips screws to pre-punched holes and tighten previous screws that were loosened in Step 1.

4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF MONTIGO EP28-S2

*S2 Comes with a 6 piece Log Set.

1. Turn off unit and Disconnect Gas.
2. Remove Top and Bottom Louvers.
3. Remove Glass Door (See Diagram 6.1).

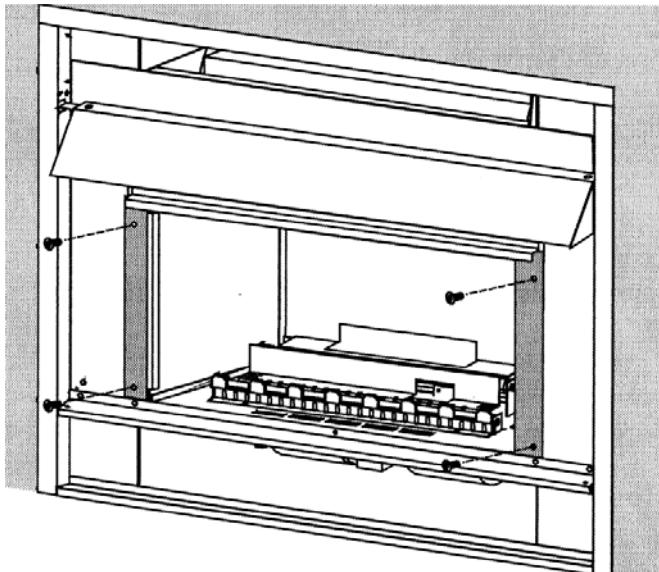


Diagram 6.1

4. Remove Side Filler Plates and Front Hood (See Diagram 6.2).

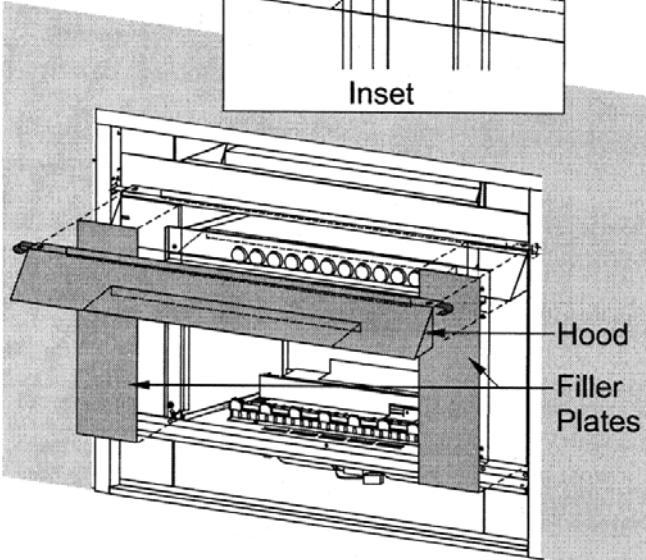


Diagram 6.2

5. Remove Front Bar (See Diagram 6.3).

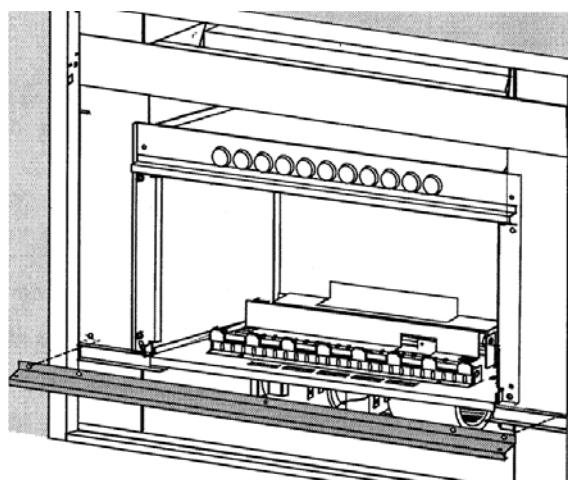


Diagram 6.3

6. Remove Primary and Secondary Limit Switches (See Diagram 6.4).

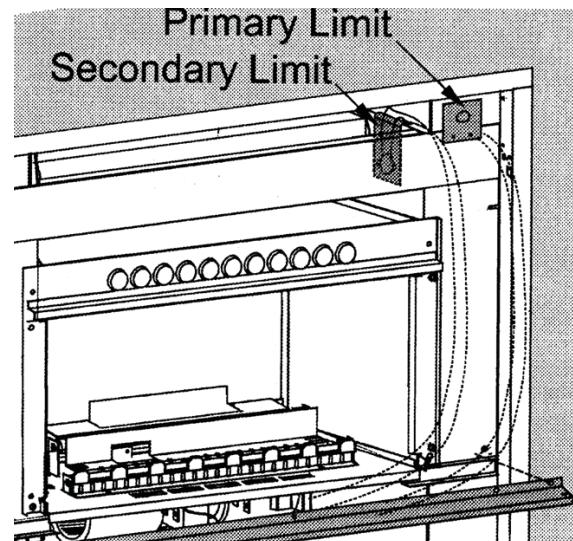


Diagram 6.4

7. Remove Insert (See Diagram 6.5).

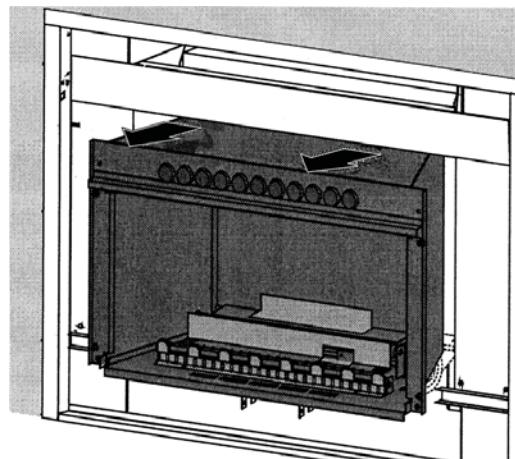


Diagram 6.5

INSTALLATION

8. Remove Efficiency Collar (See Diagram 6.6).

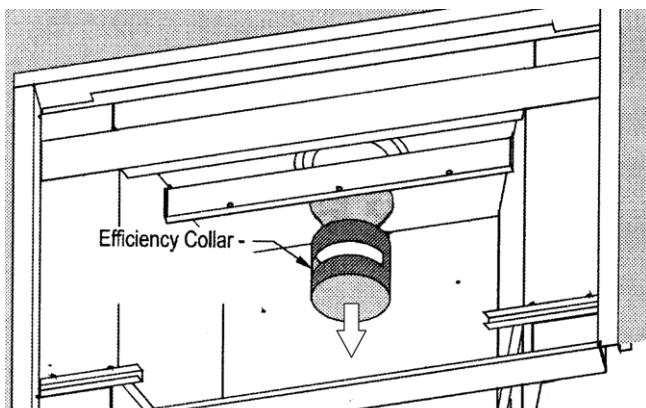


Diagram 6.6

11. Bend Down the Three Flanges at the Bottom of the Firebox or Cut them Off (see Diagram 6.9).



Diagram 6.9

Edges must be flush to allow proper seating of the E18 outerbox.

9. Remove Fan (See Diagram 6.7).

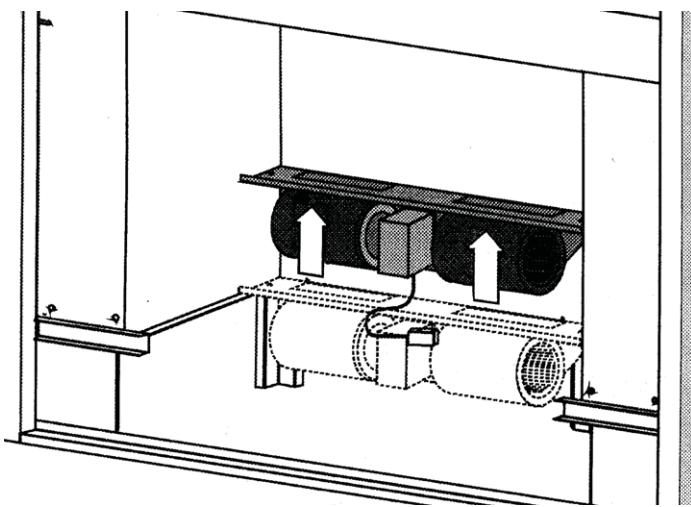


Diagram 6.7

10. Remove the leftover ends of the front bar on the Left and Right sides so that they are flush with the sides of the firebox. (See Diagram 6.8)

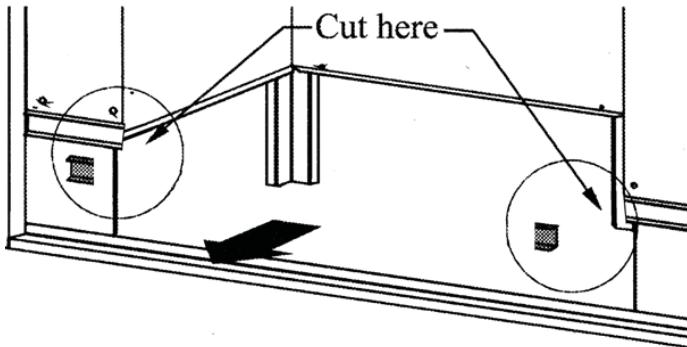


Diagram 6.8

E18 INSTALL SPECIFICATIONS

See Installation of E18 into Existing Units for General Installation Guidance.

This install of the E18 uses **Vent Connection Type A**.

The Length of 4" Flex needed is approximately 4-1/8" semi-expanded.

From this point installation is the same as the EP28-5.

MODIFICATION OF MONTIGO 28F-2 OR 28-F

1. Turn off unit, disconnect gas and power.
2. Remove Top and Bottom Louvers.
3. Remove Screen Mesh (See Diagram 7.1) or Bifold Doors.



Diagram 7.1

4. Remove Logs and Sand from Sand Pan.
5. Remove Front Bar. (See Diagram 7.2).



Diagram 7.2

6. Disconnect Pilot Gas Line and Pilot Thermopile from the Valve. Disconnect Thermostat wires from valve.



Diagram 7.3

7. Disconnect Valve from the Main Burner Line (See Diagram 7.3).



Diagram 7.4

8. Unscrew left and right side nuts, under the firebox, holding down the Sand Pan. (see Diagram 7.5)



Diagram 7.5

INSTALLATION

9. Remove Sand Pan and Pilot Assembly.



Diagram 7.6

10. Cut out the Bottom of the Firebox (See Diagram 7.7)
Cut must be clean - with Max. 1/4" of material left.



Diagram 7.7

11. Cut the Sides of the Top Face (See Diagram 7.8).



Diagram 7.8

12. Bend Top Face Down (See Diagram 7.9).



Diagram 7.9

13. Measure and draw a line 1" the bottom of the exhaust collar (See Diagram 7.10).



Diagram 7.10

14. Cut the Sides of the Top of the Firebox Flush with the Sides of the Firebox and Cut the Top of the Firebox 1" below the bottom of the Exhaust Collar (See Diagram 7.11 and 7.12).

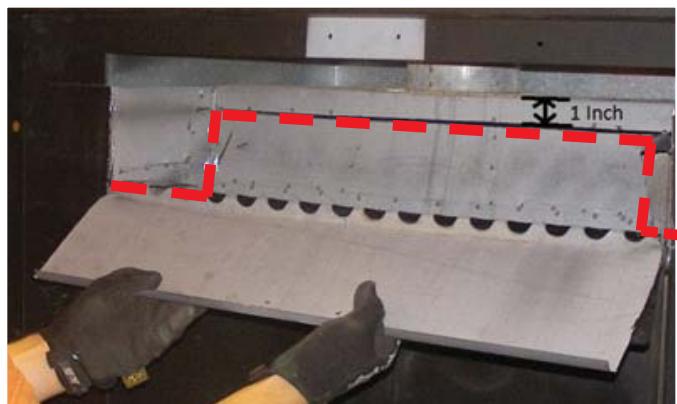


Diagram 7.11



Diagram 7.12

14. Bend the Louver Mounts Flat. (See Diagram 7.13)



Diagram 7.13

15. Final Firebox Should Look Like Diagram 7.14.



Diagram 7.14

Modified edges must be flush to allow proper seating of the E18 outerbox.

INSTALLATION

28 F / 28 F2 INSTALLATION SPECIFICATIONS

E18 INSTALL SPECIFICATIONS

See Installation of E18 into Existing Units for General Installation Guidance for Vent Configuration.

This install of the E18 uses **Vent Connection Type A**.

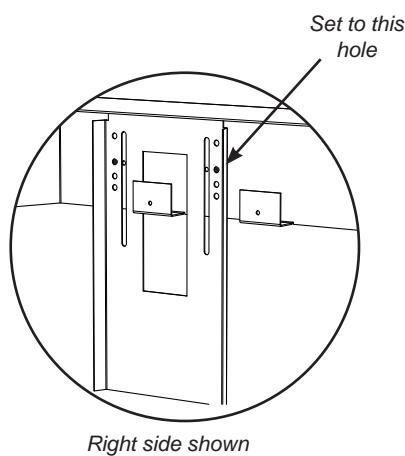
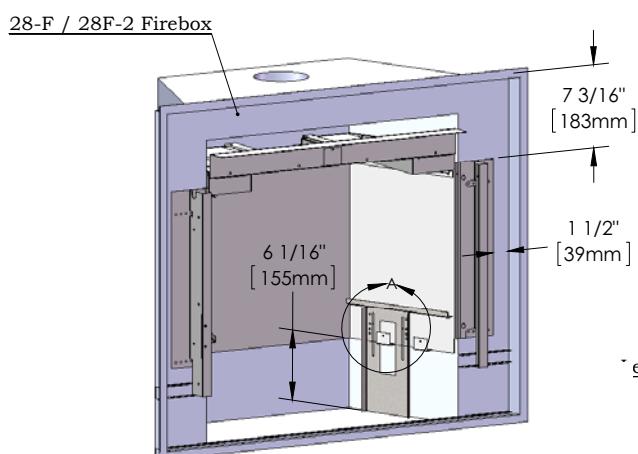
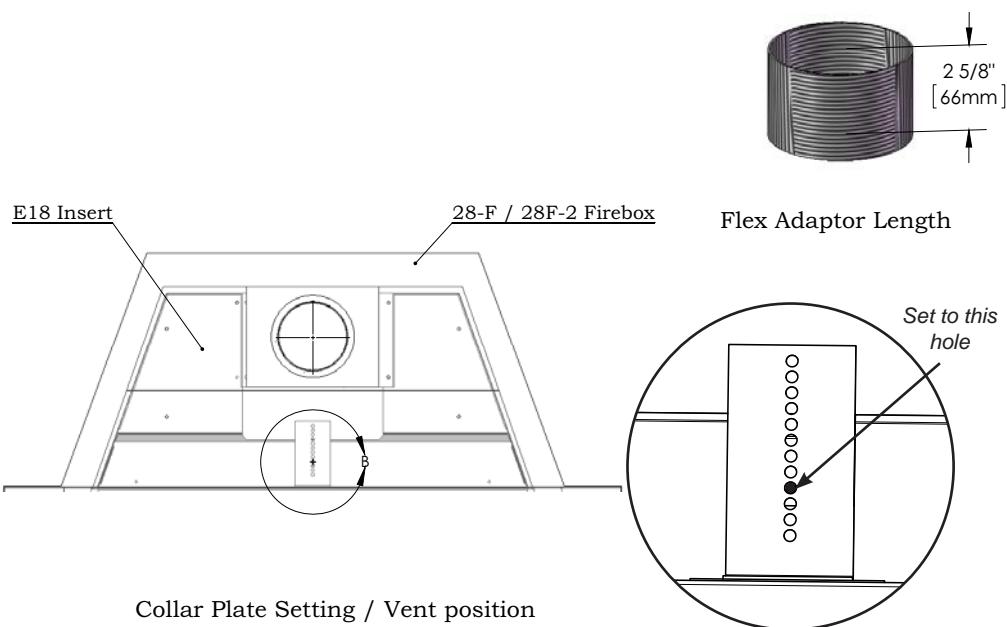
The Length of 4" Flex needed is 2-5/8" semi-expanded. Secure flue adapter top plate to under side of existing firebox using 4 self taping screws.



Secure top plate to firebox w/4 screws.



Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x philips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied philips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF MONTIGO 36SR

1. Turn off and Disconnect Gas and Power.
2. Remove Top and Bottom Louvers.
3. Remove Glass Doors and Screen Mesh (See Diagram 8.1).



Diagram 8.1

4. Remove Logs and Sand from Sand Pan.
5. Remove Top Rail securing the Bifold Doors (See Diagram 8.2).

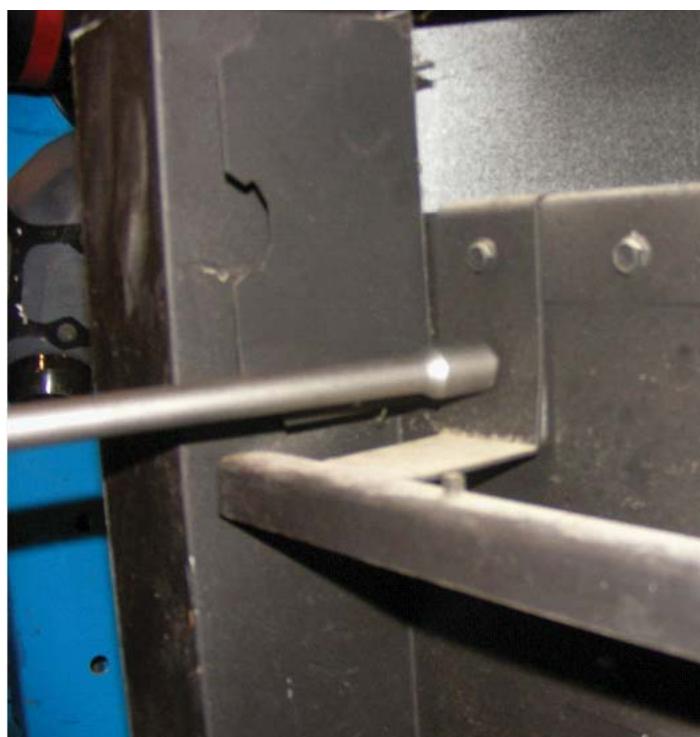


Diagram 8.2

6. Remove Air Inlet Strip (See Diagram 8.3).

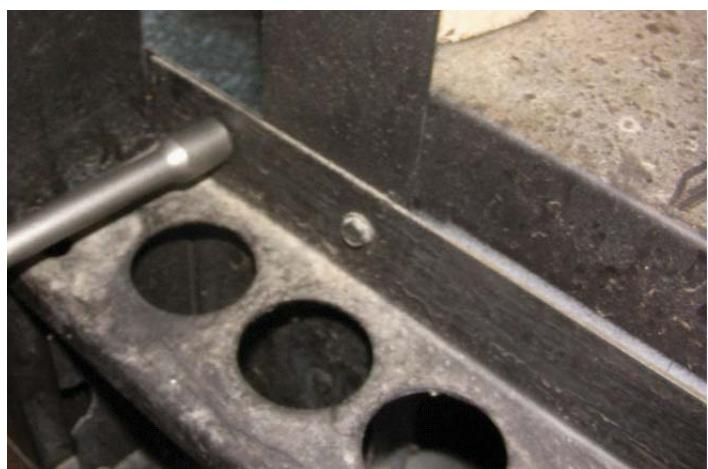


Diagram 8.3

7. Remove Brick Liner Panels (See Diagram 8.4).

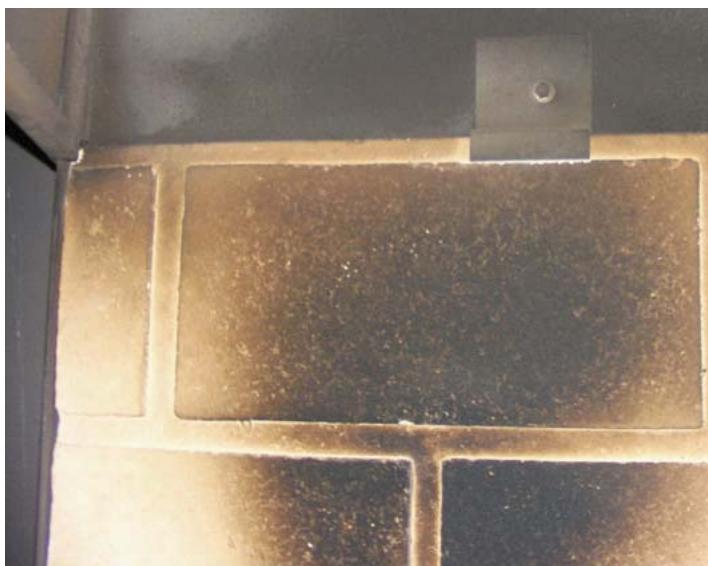


Diagram 8.4

8. Unscrew and Remove Trim Around Sand Pan (See Diagram 8.5).



Diagram 8.5

INSTALLATION

9. Disconnect Pilot Gas Line and Pilot Thermopile from Valve.
10. Disconnect Valve from Main Burner Gas Line.
11. Remove Plate On the Bottom of the Firebox where Pilot Enters. (See Diagram 8.6)



Diagram 8.6

14. Unscrew the Bottom of the Firebox. (See Diagram 8.8)



Diagram 8.8

15. Unscrew the Firebox Top Front Flange, making sure to place the Top Left and right corner screws back in (See Diagram 8.9 and 8.10).



Diagram 8.9



Diagram 8.10

12. Unscrew Left and Right Nuts Underneath the Firebox Holding Down the Sand Pan. (See Diagram 8.7)
13. Remove Sand Pan and Pilot Assembly.



Diagram 8.7

16. Remove Louver Supports in all 4 corners of the Appliance (See Diagram 8.11).

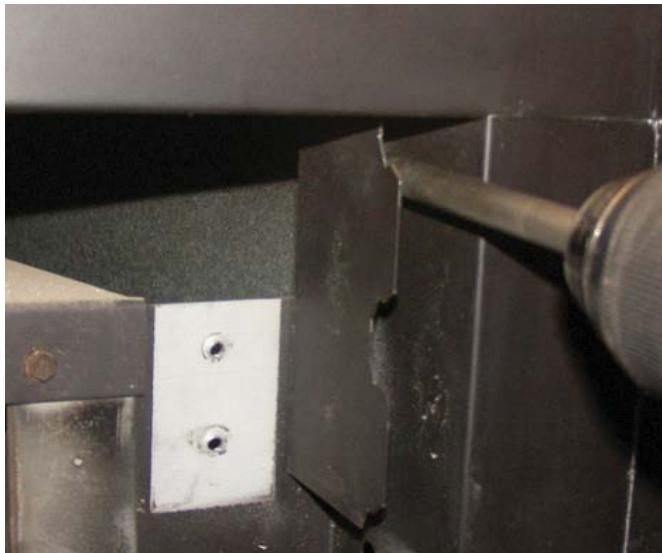


Diagram 8.11

17. Final firebox should look like Diagram 8.12.



Diagram 8.12

Modified edges must be flush to allow proper seating of the E18 outerbox.

E18 INSTALL SPECIFICATIONS

See Installation of E18 into Existing Units for General Installation Guidance.

This install of the E18 uses Vent Connection Type A.

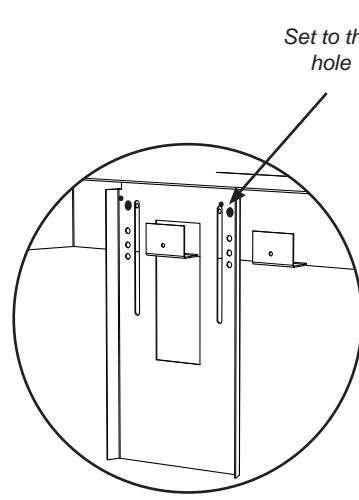
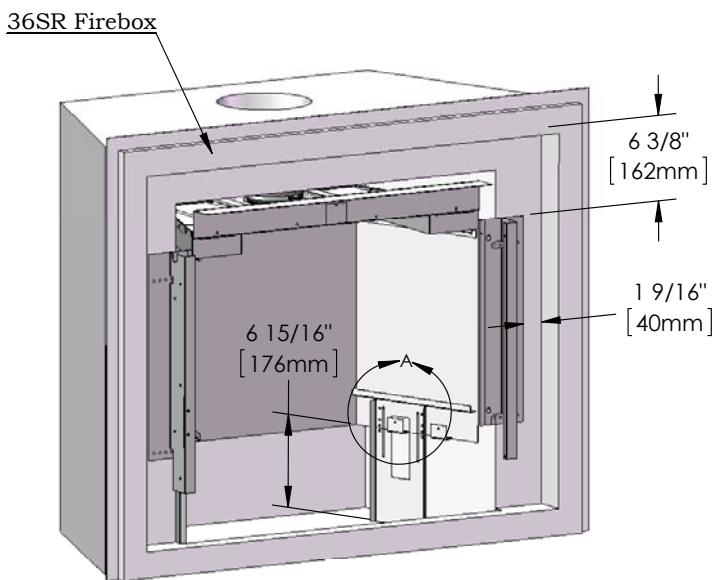
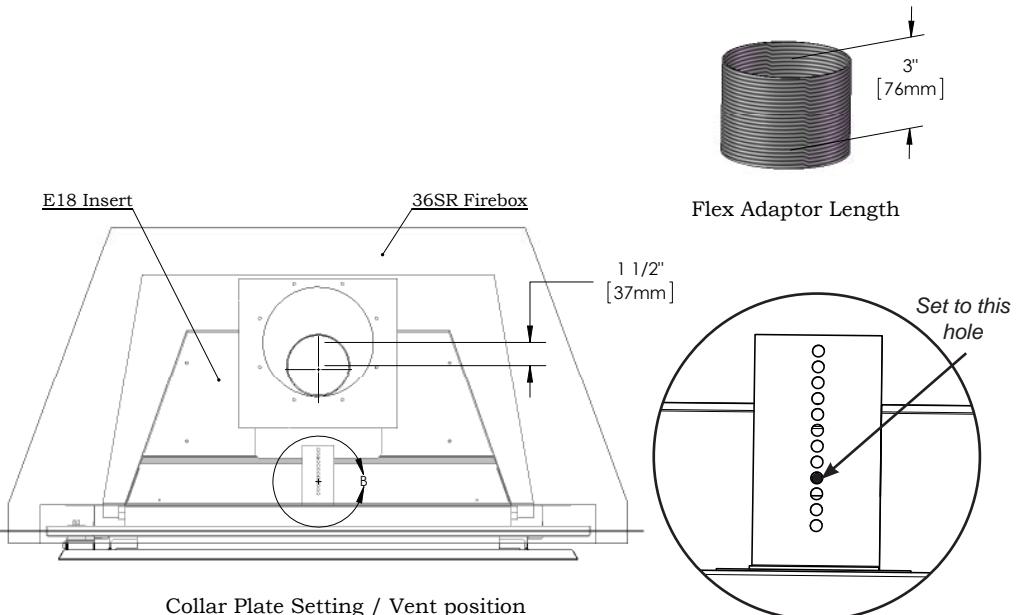
The Length of 4" Flex needed is 3" semi-expanded. Secure flue adapter top plate to under side of existing firebox using 4 self taping screws.



Secure top plate to firebox w/4 screws.



Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x philips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied philips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF FIRESONG 220N

1. Turn off and Disconnect Gas and Power.

2. Remove Valve Cover (See Diagram 9.1).



Diagram 9.1

3. Remove the Bottom of the Firebox and Sand Pan in one assembly (See Diagram 9.2).



Diagram 9.2

4. Unscrew and Remove Front Inner Baffle (See Diagram 9.3).

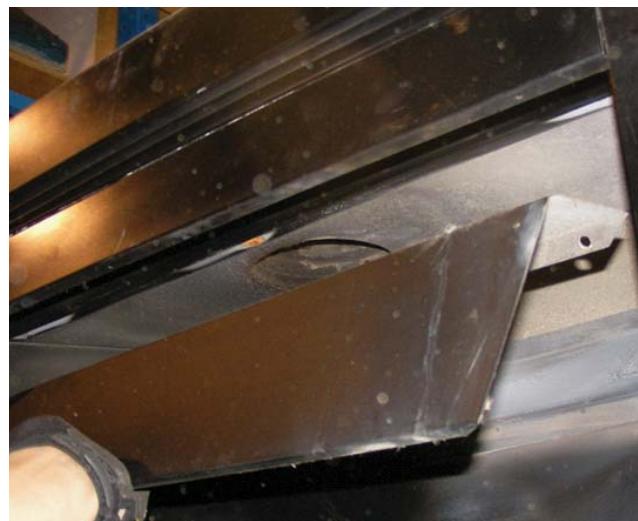


Diagram 9.3

5. Cut the Sides of the Rear Inner Baffle at the Back of the Firebox (See Diagram 9.4).



Diagram 9.4

6. Bend the Inner Rear Baffle up so it is flush with the back of the Firebox or cut off the Baffle if it will not bend flat with the back of the Firebox.

INSTALLATION

7. Cut The Top Front Flange of the Firebox (See Diagram 9.5).



Diagram 9.5

8. Cut off support tab at the top of the firebox and final firebox should look like Diagram 9.6.



Diagram 9.6

Modified edges must be flush to allow proper seating of the E18 outerbox.

E18 Install Specifications

See Installation of E18 into Existing Units for General Installation Guidance.

This install of the E18 uses **Vent Connection Type A..**

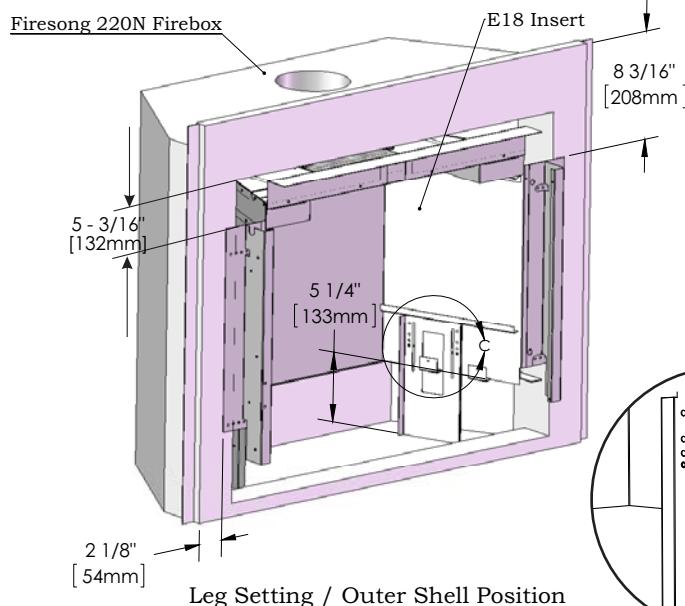
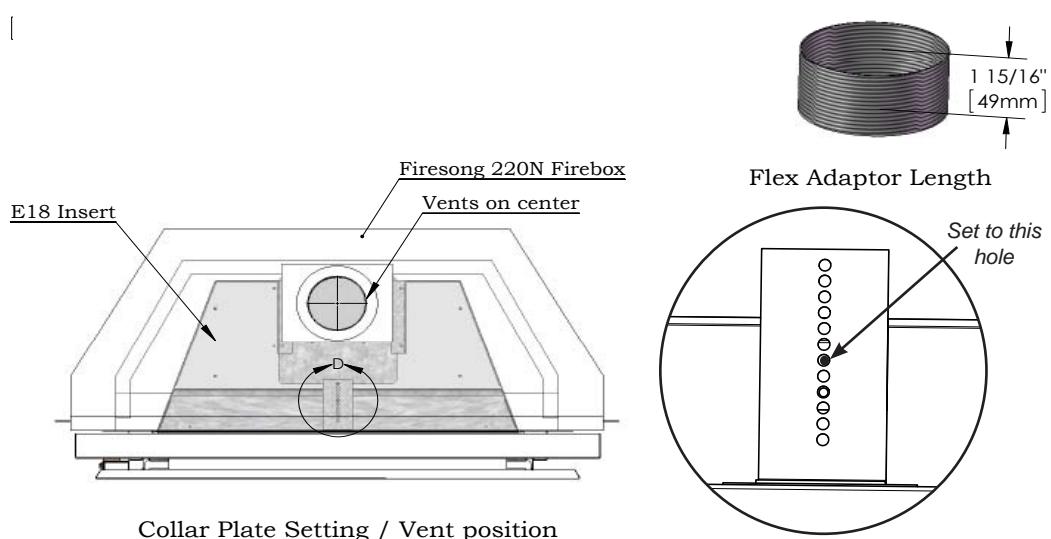
The Length of 4" Flex needed is 1-15/16" semi-expanded. Secure flue adapter top plate to under side of existing firebox using 4 self tapping screws.



Secure top plate to firebox w/4 screws.



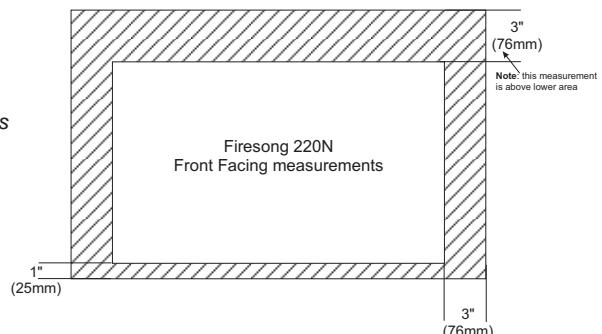
Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x philips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied philips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

Firesong 22N faceplate is an outside fit, if the front metal face of the 220N is covered with stone or tile - a custom faceplate will be required.

The following measurements of the 220N metal face will be visible if no stone or tile is covering it. If this metal face is visible, the standard Faceplate (6161-920) will fit.



Right side shown

INSTALLATION

MODIFICATION OF FIRESONG 120N

1. Turn off gas supply, if unit has a fan - turn off and disconnect power.
2. Remove Top Trim Pieces and Glass Doors- if installed (See Diagram 1.1).



Diagram 1.1

3. Remove Lower Trim piece and Bottom Panel. (See Diagram 1.2).



Diagram 1.2

4. Remove Top Rail securing Mesh. (See Diagram 1.3).



Diagram 1.3

5. Shut off and disconnect gas line from valve.
6. Unscrew and Remove Trim Around Sand Pan (See Diagram 1.4).

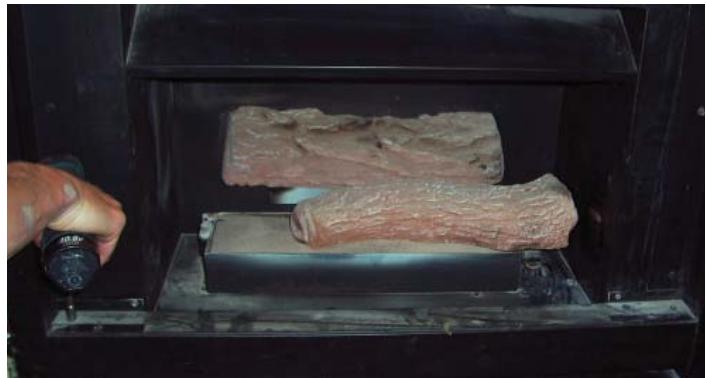


Diagram 1.4

7. Remove Logs (See Diagram 1.5).



Diagram 1.5

8. Remove screw on right side to remove sand pan and base. (See Diagram 1.6).



Diagram 1.6

9. Remove Valve.

10. Make 2 vertical cuts on Top Facing. (See Diagram 1.7).



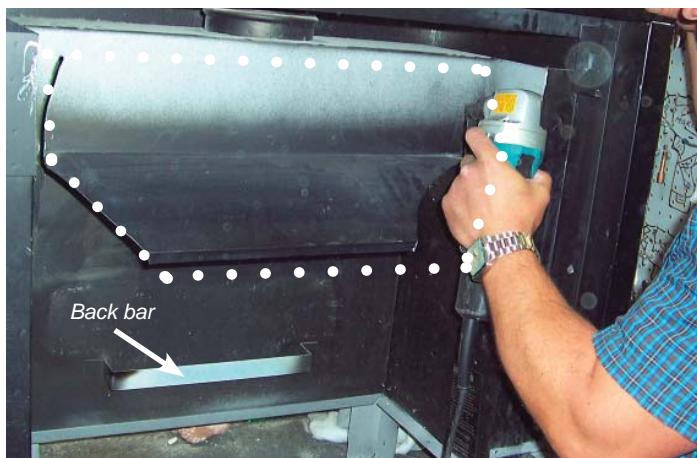
Diagram 1.7

11. Remove Top Front Flange of Firesong firebox. (See Diagram 1.8).
Remove tabs on right and left side of firebox.



Diagram 1.8

12. Cut out mid section of Firesong firebox . (See Diagram 1.9).
Cut off bar at back of firebox.



13. Remove 6 screws, one at a time, and replace with pan head (wafer screws) - in locations shown below.



Diagram 1.10

14. Cut out right side of existing Firesong firebox. (See Diagrams 1.11, 1.12 and 1.13). Left and right cutout begins on front face - see diagram 1.12

IMPORTANT: Cut out Firesong firebox and install support one side at a time.

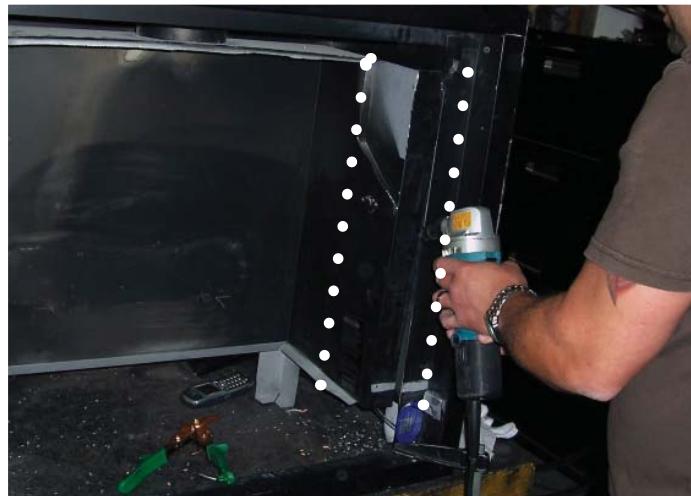


Diagram 1.11



Diagram 1.12



Diagram 1.13

INSTALLATION

15. Install supplied support section with 8 screws to reinforce Firesong firebox. (See Diagram 1.13).



Diagram 1.13

16. Repeat Steps 14 & 15 on left side.

17. Remove existing Firesong rating plate from cut out firebox. This rating plate must be retained and affixed to the unit. (See Diagram 1.14 and 1.15).



Diagram 1.14

18. Final modified firebox should look like Diagram 1.15
NOTE: Shown with flue collar and 6" flex installed.



Diagram 1.15

IMPORTANT NOTE:

Separate inner and outer firebox on E18 (see instructions in this manual) Before installing outer firebox - lay on a flat surface and trim off 1-1/4" of each firebox fastening flange as shown below.



E18 INSTALLATION SPECIFICATIONS

See Installation of E18 into Existing Units for General Installation Guidance - for vent connection configuration.

The length of 4" Flex needed is 6" semi-expanded.

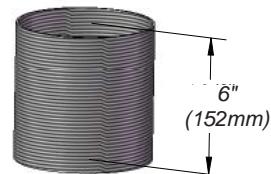
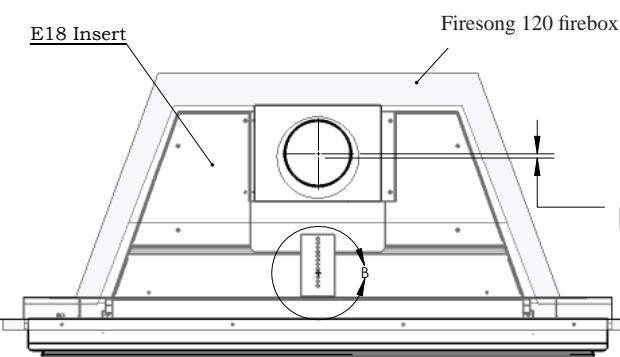
Remove top flue adaptor from unit by removing 1 Philips screw and slide backward. Adjust flue adaptor length by resetting screw from Set 4 to Set 8 - see Diagram below. Attach 4" flex to flue adaptor and insert into existing 5" vent - shown below.

Procedure to adjust the height of the outer firebox installed is shown below.

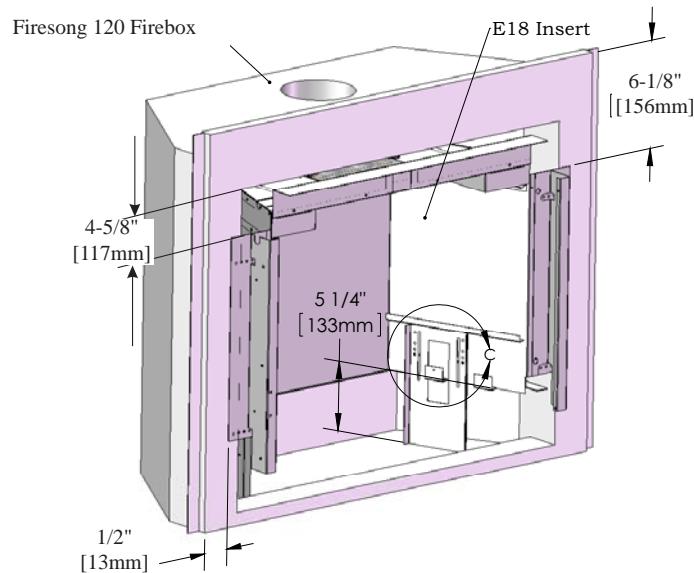
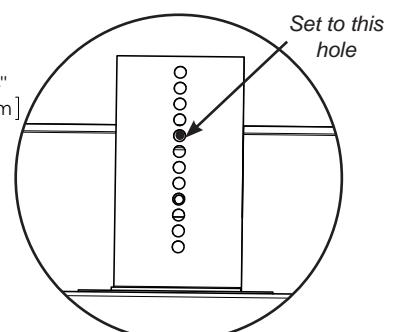
FIRESONG 120N INSTALLATION SPECIFICATIONS



Secure vent slide plate to flex pipe with 4 screws



Flex Adaptor Length



1. Loosen 2 x Phillips screws on both right and left legs.

2. See above diagram below for required leg setting.

3 Install with supplied Phillips screws to pre-punched holes and tighten previous screws that were loosened in Step 1.

4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

See Step #2: Outer Shell installation for procedure.

INSTALLATION

INSTALLATION OF THE E18 INTO EXISTING UNITS

STEP #1: VENT CONNECTION TYPE A

1. Attach the Flex Vent Section to the Adaptor Plate using a Ring Clamp and/or 3 self drilling sheet metal screws.
2. Using 4 Sheet Metal Screws, attach the Adaptor Plate, Vent Section and Adaptor Plate Gasket to the top of the existing Fire Box. See specific instructions to your installation to determine what position the Adaptor Plate should be located.
3. Attach the Slide Plate Retainer to the Vent Slide Plate using the setting outlined in your unit specific installation guide.
4. Using the a ring clamp and/or 3 self drilling sheet metal screws, attach the Vent Slide Plate to the Flex Vent Section

**THE APPLIANCE MUST
NOT BE CONNECTED TO A
CHIMNEY FLUE SERVING
A SEPARATE SOLID FUEL
BURNING APPLIANCE.**

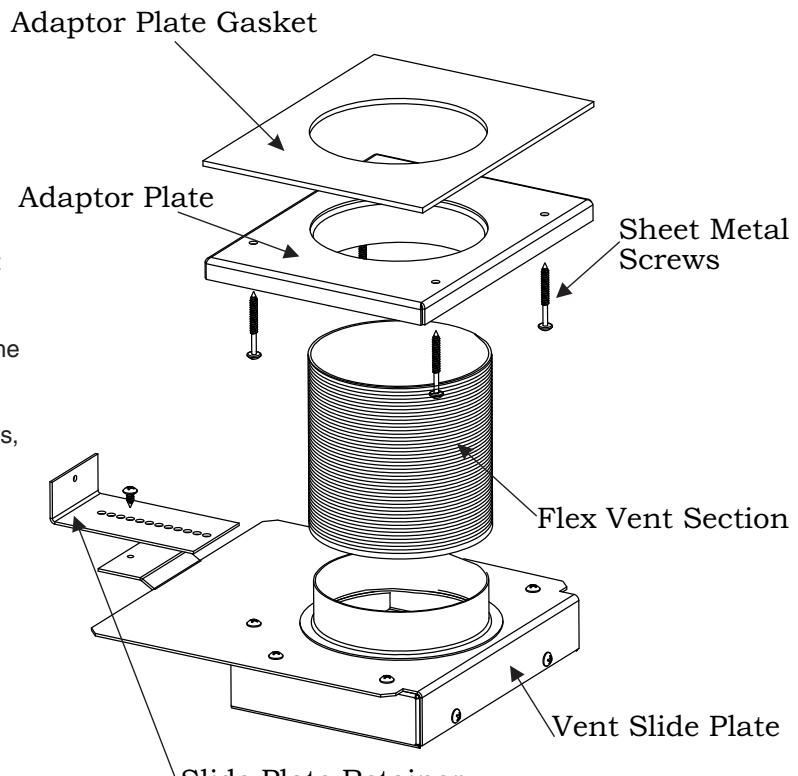


Diagram 10.1

STEP #1: VENT CONNECTION TYPE B

1. Remove the 6x #8 sheet metalscrews from the top of the Vent Slide Plate.
2. Locate the Adaptor Plate on the top of the Slide Plate Retainer and attach with 4 x #8 screws removed in the previous step.
3. Place the Adaptor Plate Gasket on the top of the Vent Slide Plate
4. Using 4x sheet metal screws, locate and fasten the Vent Slide Plate assembly to the firebox top of the existing firebox. Two (2) screws go through the Vent Slide Plate and Adaptor Plate, two (2) screws go through the Adaptor Plate only.

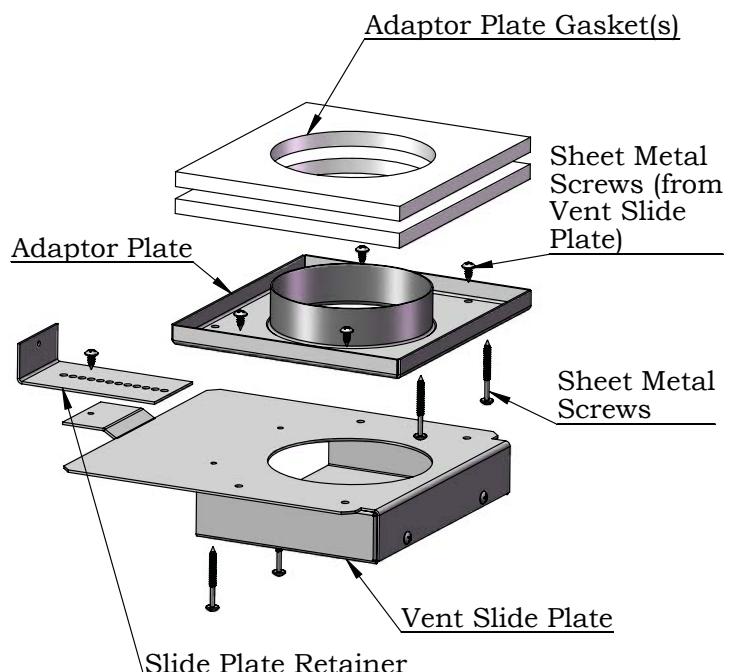


Diagram 10.2

STEP #2: OUTER SHELL INSTALLATION

1. Slide outer shell back into the existing firebox, ensure the vent slide plate is properly engaged with the outer shell. Move the outer shell back until the left and right flanges contact the existing firebox.
2. Adjust the outer shell legs to the setting noted for your specific installation. If these settings are not adhered to, the surround will not fit correctly.
3. Attach the bent slide plate to the outer shell with one sheet metal screw as shown in Figure 10.3. Refer to the applicable existing appliance for correct measurements before securing outer shell in position.
4. Ensure the unit is set at the correct height and the outer shell is square and centered, fasten the outer shell to the existing firebox using self tapping screws.

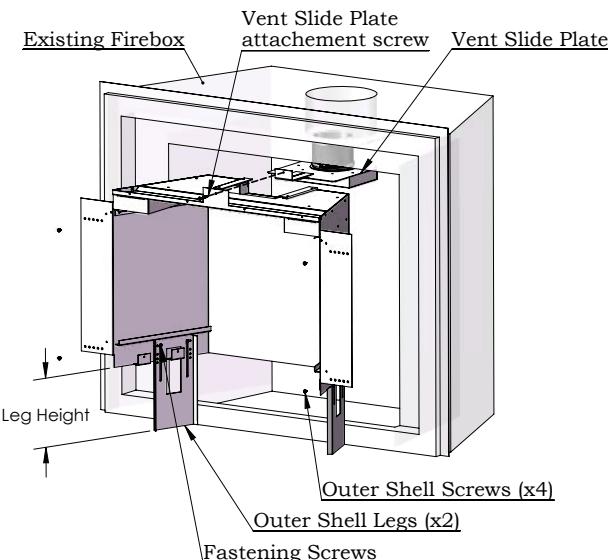


Diagram 10.3

STEP #3: FIREBOX INSTALLATION

1. Ensure thermodiscs and thermodisc brackets are in place.
2. Install the firebox into the outer shell by sliding the drafthood bottom onto the drafthood slide until you are able to install 4 screws to secure the firebox. Use care to avoid damaging the wire harness. **Note:** 2 of the screws along with panel brackets to be installed on the lower inside of the firebox.
3. Unit is installed correctly when the flanges that secure the firebox to the outer shell contact. Ensure the unit is centered within the existing firebox, attach the outer shell to the existing firebox using 4 x sheet metal screws.
4. Install 2 self tapping screws at the front edge corners of the drafthood bottom to secure the drafthood.
5. Install 1 x Phillips screw to fasten drafthood. Install 2 x Phillips screws to secure left and right side of thermodisc bracket.

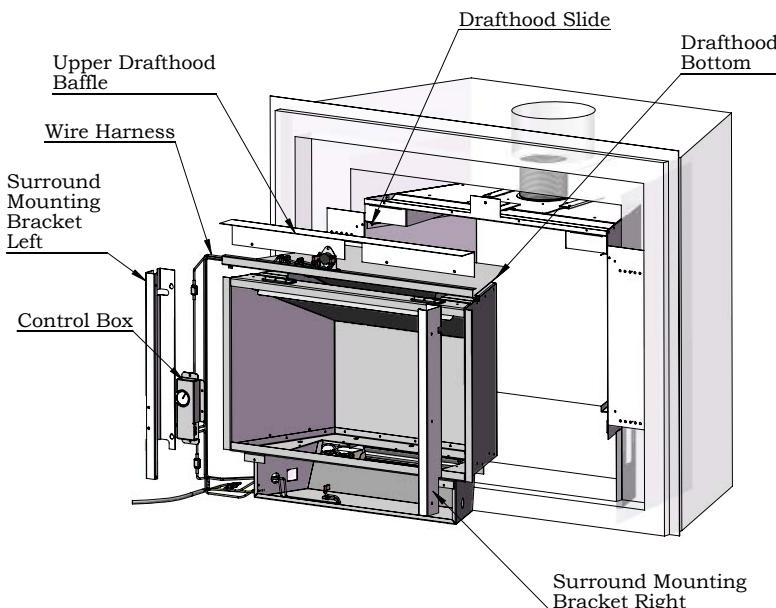


Diagram 10.4

ZC box existing Unit	Measured from Top of ZC box	Measured from side of ZC box
EP28	8-7/16" (215mm)	1-7/16" (37mm)
28F - 28F2	7-3/16" (183mm)	1-1/2" (39mm)
Montigo 36SR	6-3/8" (162mm)	1-9/16" (40mm)
Firesong 220N	8-3/16" (208mm)	2-1/8" (54mm)

INSTALLATION

STEP #4: SURROUND INSTALLATION

ONLY TRIM KIT SUPPLIED BY THE MANUFACTURER SHALL BE USED IN THE INSTALLATION OF THIS APPLIANCE.

1. Remove glass door from unit (see instructions in manual).
2. Remove control box from rear surround by removing 2 screws. Disassemble control box, insert switches; reassemble.

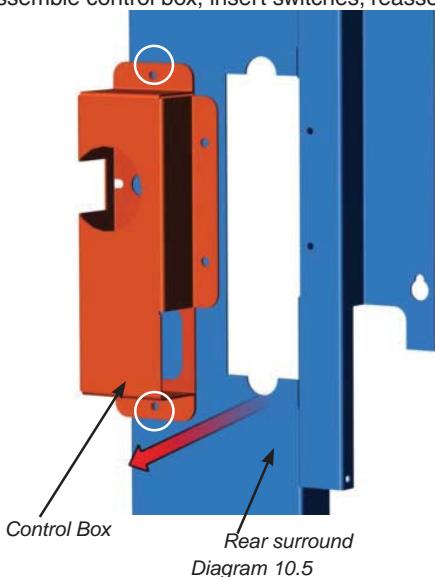


Diagram 10.5

3. Remove left mounting bracket by removing 3 screws.

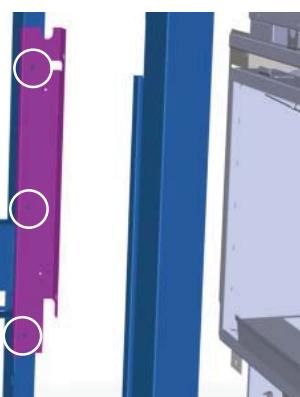


Diagram 10.6

4. Run wire from unit through notch in mounting bracket and then to control box as shown below.

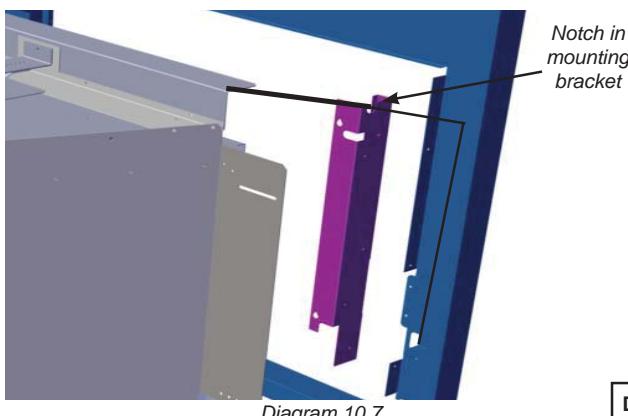


Diagram 10.7

5. Attach control box to left mounting bracket with 2 screws - reattach mounting bracket.
6. Tuck wire harness on left top groove and secure with wire clips.
7. Feed power cord through left grommet. (If power outlet is on the right side of the unit, feed power cord through right grommet and use wire clips to secure power cord inside the unit).
8. Secure backing plate with mounting brackets to outer box by screwing 4 self tapping screws on flanges.

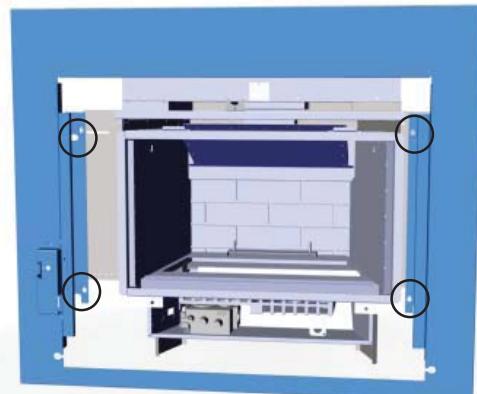


Diagram 10.8

9. Attach front faceplate with 4 screws (2 on each mounting bracket). (Touch up screws with provided black paint, after install.)

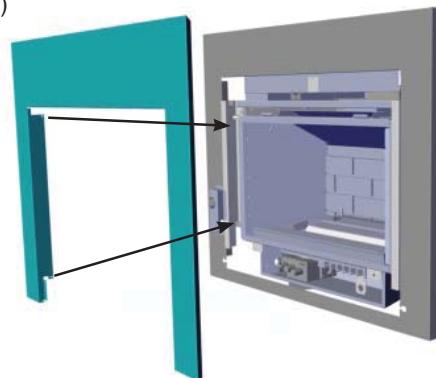


Diagram 10.9

10. Reinstall glass door (see instructions in manual).

11. Install control cover, adjust horizontal alignment by sliding control cover to ensure even spacing on both sides. Ensure control cover is seated down all the way.

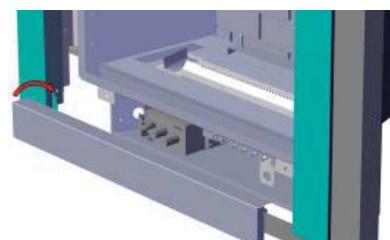


Diagram 10.10

DRAFT RELIEF OPENINGS MUST NOT BE COVERED OR BLOCKED.

REMOTE CONTROL INSTALLATION

Remote controls approved for use with this appliance:		
Part #	Remote	Function
910-368	Basic Remote	ON/OFF
910-399	Firegenie Remote	ON/OFF + 7 day programmable thermostat
946-680	GT Proflame Remote	ON/OFF + Thermostat control

NOTE: Remove bottom control panel on the surround prior to installing the remote control.

1. Shutoff gas and electrical supply, allow unit to cool to room temperature.
2. If using the GT Proflame remote control, attach the wire labeled receiver from the wiring harness to the back side of the remote receiver. See Diagram 1 below.

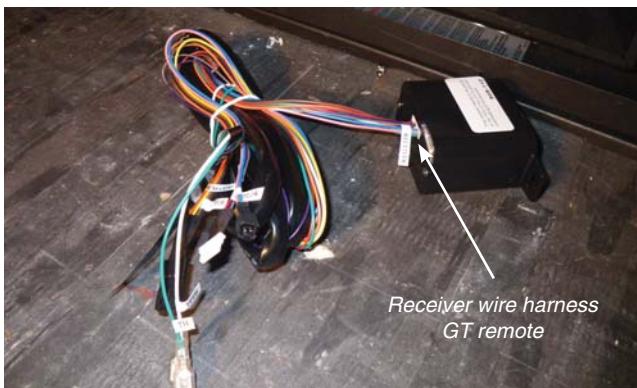


Diagram 1

3. Install remote receiver (from any of the approved remote controls) on the far right hand side of the unit. See Diagram 2 (Basic Remote receiver shown).

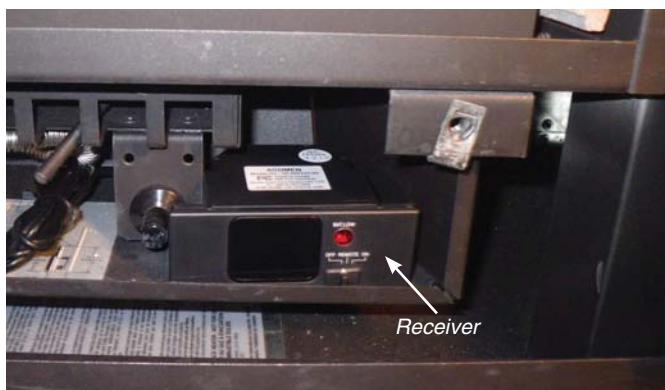


Diagram 2—Receiver in position

4. Disconnect red wire from TH terminal on valve - see Diagram 3.

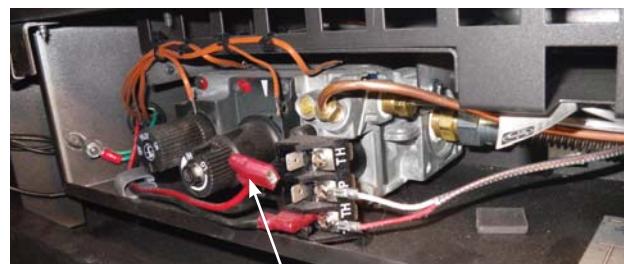


Diagram 3 - Red TH wire disconnected

5. Cut the female wire spade from the disconnected red wire at the end of connector see Diagram 4.
Bare the same red wire using wire strippers in order to connect new male connector, see Diagram 4.

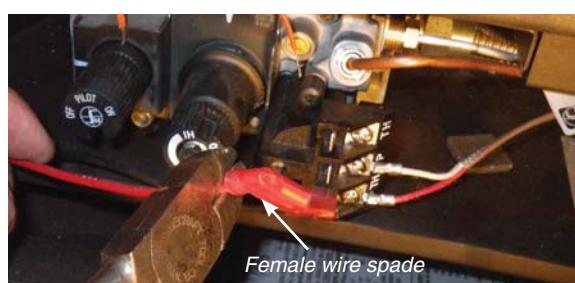


Diagram 4—cut female wire spade

- 5a. Crimp on new male connector wire using a crimping tool, see Diagram 5.

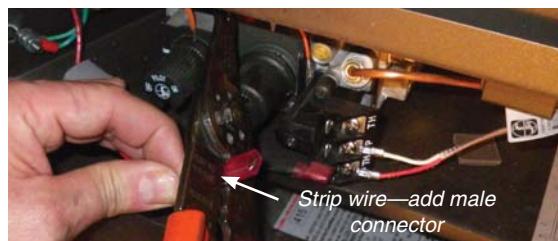


Diagram 5

- 6a. Basic or FireGenie remote: Attach one of the two black wires from the remote receiver and connect it to the red wire disconnected in the previous steps, see Diagram 5.

- 6b. GT remote control: Attach the white wire from the wiring harness labeled TP/TH and connect it to the red wire disconnected in the previous steps, see Diagram 6.



Diagram 6

INSTALLATION

7a. Basic or FireGenie remote : Attach the other black wire from the remote receiver to TH on the valve, see Diagram 7.

7b. GT remote control: Attach the green wire from the wiring harness labeled TH and attach wire to TH on the valve, see Diagram 7.

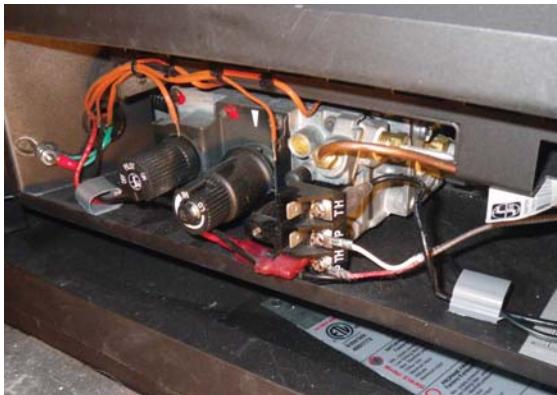


Diagram 7

8. Tuck all wires neatly into base of the unit.
9. Locate the red and black ON/OFF switch wires from the appliance, see Diagram 8.

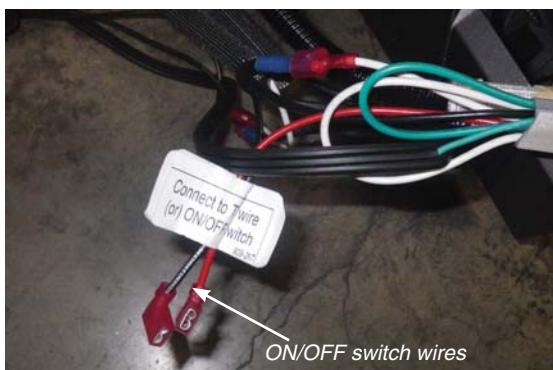


Diagram 8

10. Locate the ON/OFF switch, packed in the manual package.
11. Connect ON/OFF switch wires to ON/OFF switch, see Diagram 9.

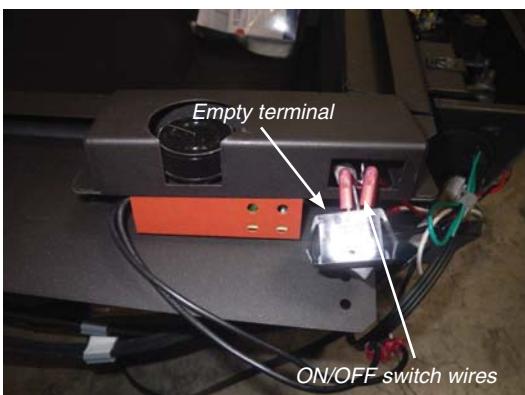
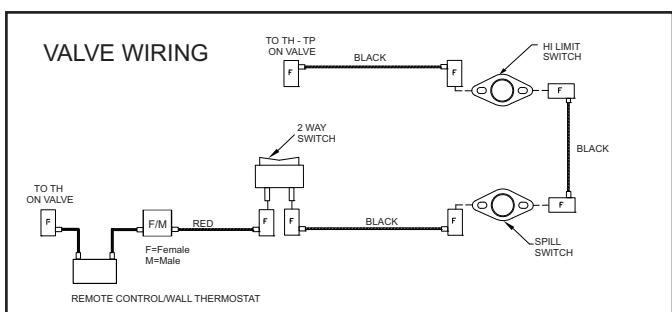
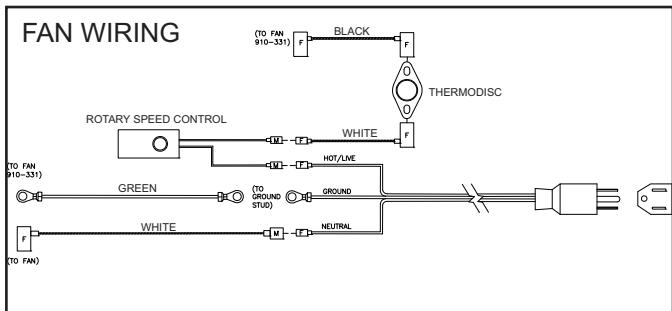


Diagram 9

12. Snap ON/OFF switch into position.
Note: Ensure when snapped into position—the empty terminal on the back side of the switch is facing upward, see Diagram 9.
13. Code remote control. See remote control manual for coding instructions and battery installation.

Important Note: When remote control is coded, ensure that the ON/OFF switch is in the on position or facing up and the remote receiver is in the remote position.



CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

WARNING: Electrical Grounding Instructions

This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

CONVERSION KIT 616-969 - NATURAL GAS TO PROPANE

THIS CONVERSION MUST BE DONE BY A QUALIFIED GAS FITTER IF IN DOUBT DO NOT DO THIS CONVERSION !!

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion, or production of carbon monoxide may result causing property damage, personal injury, or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

LP conversion Kit 616-969		
1	904-037	LP orifice injector #35
1	904-977	orifice #55
1	908-528	Propane Label Red
1	918-590	Converted to LPG label
1	904-529	Allen Key
1	919-191	Instruction Sheet

1. Turn the unit off and allow it to cool to room temperature.
2. Unplug or disconnect power source to unit.
3. Remove glass front (see manual).
4. Remove Log or Glass Burner. (see manual)
5. Unscrew NG burner orifice and replace with LP orifice.



Burner Orifice

7. Turn control knob to the "OFF" position
8. Remove the black protection cap by hand from the hi-low knob (Fig.1).



Fig. 1

9. Insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the screw (Fig.2), rotate it counter-clockwise until it is free and extract it.



Fig.2

10. Check that the screw is clean and if necessary remove dirt.

11. Flip the screw (Fig. 3).

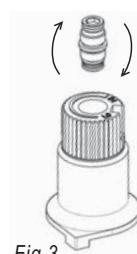


Fig.3

12. Using the Allen wrench as shown in Fig.4, rotate the screw clockwise until snug, do not overtighten.



Fig.4

WARNING!
Do not over tighten the screw.
Recommended to grip the wrench by the short side.

13. Verify that if the conversion is from NG to LPG, the screw must be re-assembled with the red o-ring visible (Fig. 5).

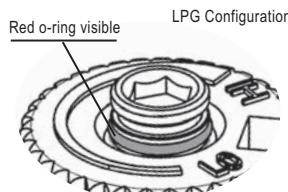


Fig.5

14. Re-assemble the black protection cap (Fig. 6).



Fig. 6

15. Pull off the pilot cap to expose the pilot orifice.



16. Unscrew the pilot orifice with the allen key and replace with the LP pilot orifice in the kit.



17. Attach the label "This unit has been converted to LPG" near or on top of the serial # decal.

18. Replace yellow "NG" label with red "LPG" label.

19. Reverse steps 3 - 1.

20. Check for gas leaks.

21. Check inlet and outlet pressures.

22. Check operation of flame control.

23. Adjust the burner aeration setting to Fully Open and adjust as required for the best flame picture.

24. See manual for Gas Pressure Testing instructions.

GLASS BURNER INSTALLATION

1. Angle the Glass Burner up on left side and slide the mixing tube over the orifice.



Diagram 11.1

3. Screw down the Glass Burner with two screws.



Diagram 11.3

4. Hang the Front Burner Cover on the front edge.

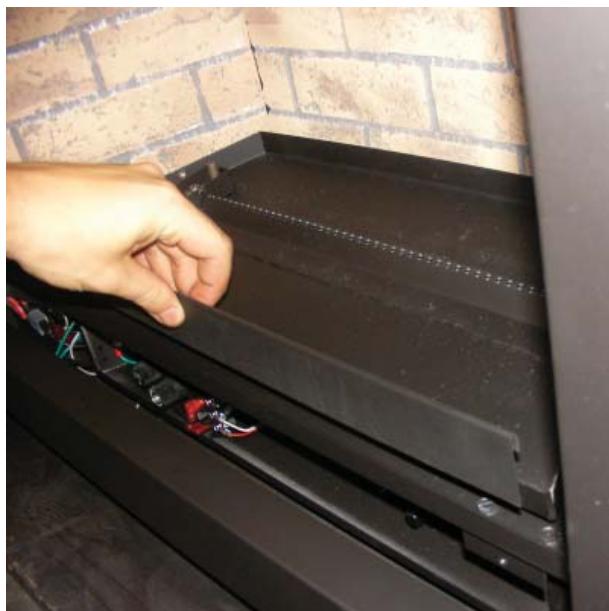


Diagram 11.4



Diagram 11.2

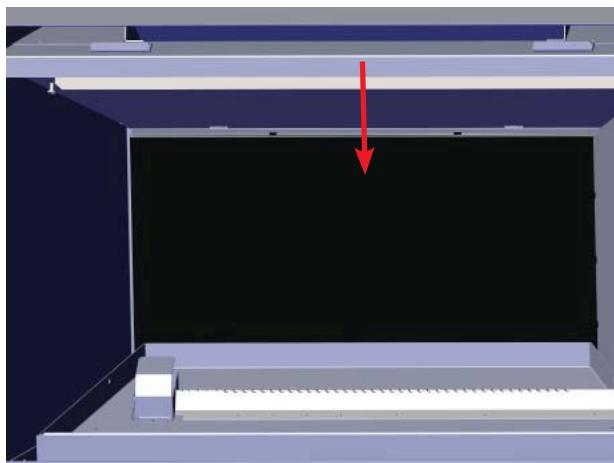
ENAMEL PANEL INSTALLATION

Black Enamel Panels

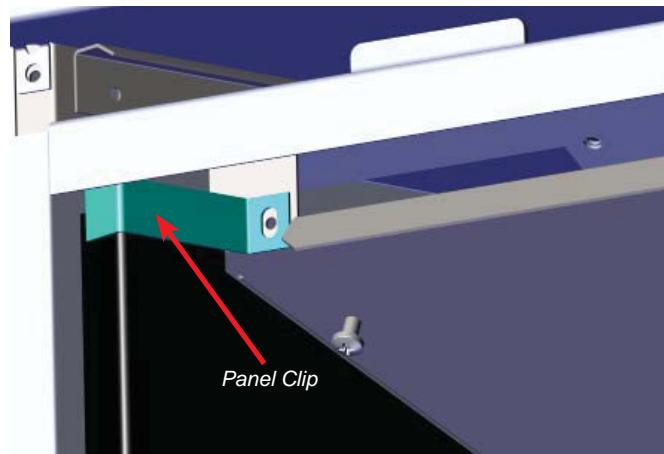
- Black Enamel panels must be inspected for scratches and dimples prior to installation. All claims to be recorded at this time. Claims for damage after installation will not receive consideration.
- Black Enamel panels will discolor a little during normal operation. This is normal and should not be considered a defect.

* All hand and finger marks **MUST** be cleaned off with a soft cloth. Use an ammonia based cleaner (ie. glass cleaner) to remove any fingerprints before applying heat to the unit.
Failure to do this will result in burn stains on panels which you will be unable to remove. Not protected by product warranty.

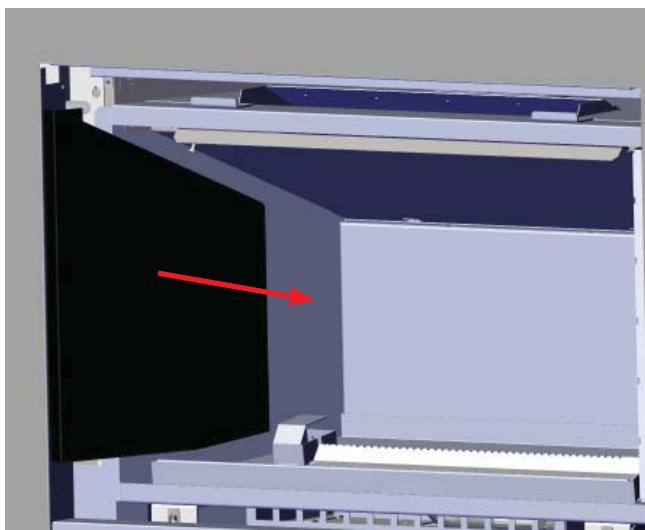
1. Centre back panel on the back wall of the firebox.



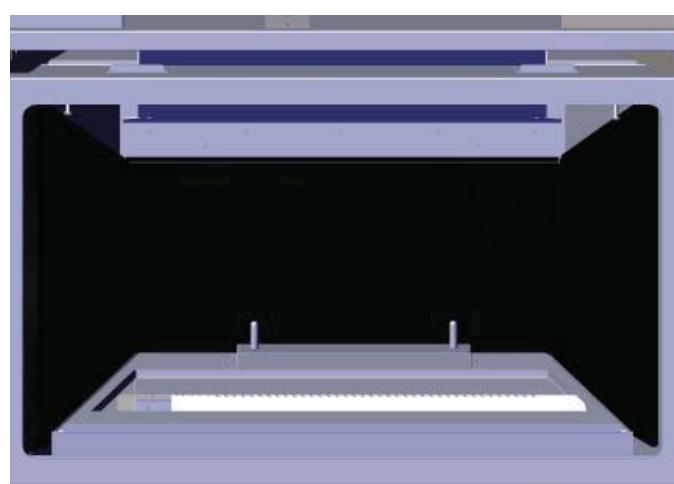
3. Secure panel in position with panel clip - secure panel clip with one screw (provided).



2. Slide in side panel into place in lower track.



4. Repeat steps 2 & 3 on other side.



Final Install

INSTALLATION

GLASS CRYSTALS AND OPTIONAL CERAMIC SPA OR VOLCANIC STONES INSTALLATION ON BURNER AND FIREBOX FLOOR

Evenly spread the Glass Crystals or optional Ceramic Spa Stones over the burner.

Ensure the crystals (or stones) do not overlap too much as this will effect the flame pattern.

IMPORTANT NOTE:

Only the supplied approved Glass Crystals and Ceramic Spa Stones are to be used with these fireplaces. Use of any other type of glass crystals or stones can alter the unit's performance, any damage caused by the use of any unapproved glass or stones will not be covered under warranty.

When using Ceramic Spa Stones **DO NOT** cover burner ports or pilot light that lead to pilot flame. Ensure the crystals or stones do not overlap excessively as this will effect the flame pattern.

BURNER PACKAGES			
Unit	*Glass Crystals	**Ceramic Spa Stones	Volcanic Stones
E18	5 lbs	70 spa stones	1 box
NOTE: * Glass Crystals are available in 1lb and 5lb bags.			
** Ceramic Spa stone package contains 70 stones			



Diagram 12.1



Diagram 12.2

1. Start installing Crystals on back of Burner and Firebox Floor



Diagram 12.3

2. Distribute Crystals evenly towards front of Burner and Firebox Floor



Diagram 12.4

3. Spread Crystals evenly over the burner and firebox base



Diagram 12.5

4. Ensure Crystals **DO NOT** block the front of the pilot hood and flame to light the burner



Diagram 12.6

Glass Crystals shown on Burner and Firebox Floor

NOTE: Correct final glass installation of Crystals shown in step 3 and 4. The Burner and Firebox Floor should not be visible when the flame is out.

OPTIONAL SPA OR VOLCANICSTONES INSTALLATION (AROUND BURNER)



Diagram 12.7

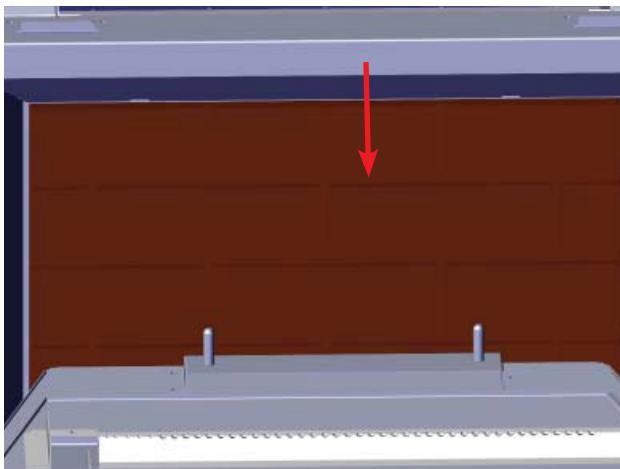


Diagram 12.8

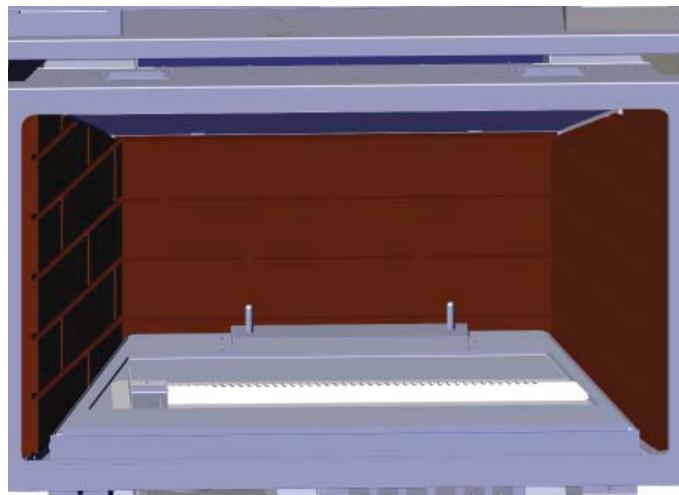
NOTE: Spa or Volcanic Stones are NOT to be placed anywhere on the burner tube or Pilot assembly area.

BRICK PANEL INSTALLATION

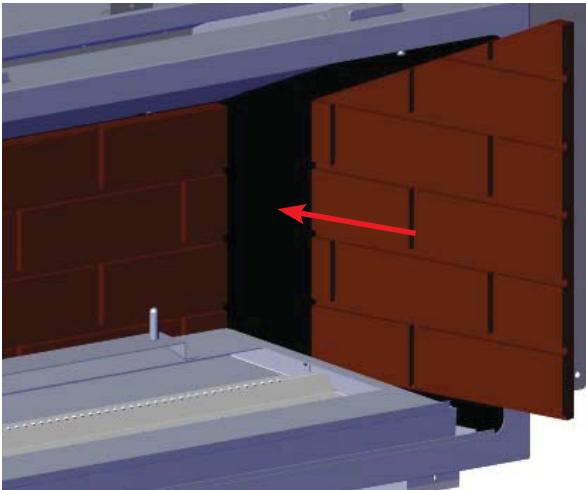
1. Position back brick panel on the back wall of the firebox.



5. Repeat steps 2-4 on other side.



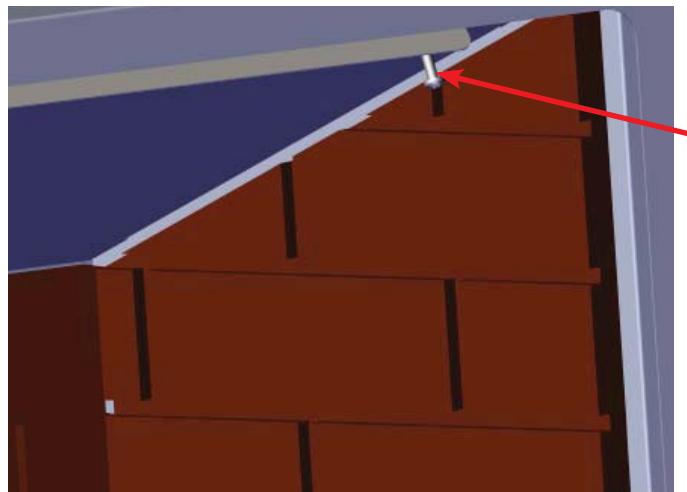
2. Slide in side panel.



Final Install

3. Position panel so that grout line in the panel lines up with screw in the baffle.

4. If required, lower screw to secure panel in position.



INSTALLATION

LOG TRAY INSTALLATION

1. Remove the Log Burner Tray from the box. Hang the front burner cover on the front edge of the burner tray. Place the Log Burner Tray on the Glass Burner Tray.



2. Screw the Log Burner Tray to the Glass Burner Tray.



3. Install the Log Burner the same way as the Glass Burner (see installation manual for instructions).

4. Fill the Log Burner with 2lbs of black glass crystals.



LOG SET INSTALLATION

Installation of Panels must be completed before installing the log set.
* Log instructions shown with Black Enamel Panels

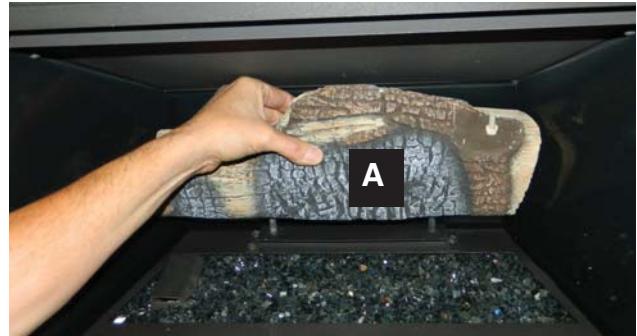
Read the instructions below carefully and refer to the images. If the logs are broken do not use the unit until they are replaced. Broken logs interfere with pilot operation.

Improper positioning of the logs may create carbon build-up and alter the unit's performance which is not covered under warranty.

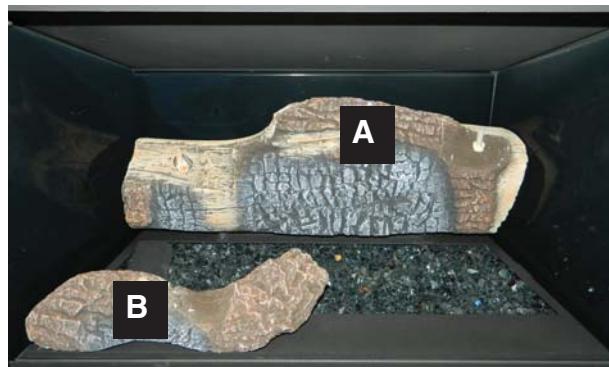
Log Kit #619-935 contains the following pieces:

A	Rear Log
B	Front Left Log
C	Front Right Log
D	Left Side Log
E	Right Side Log
946-675	2lb Fireglass
946-669	Platinum Embers
946-708	Embaglow Embers
	1C Ember Lava
616-515	Log Tray Assembly
	Screws x 2

1. Place Log A over the two posts at the back of the log burner.



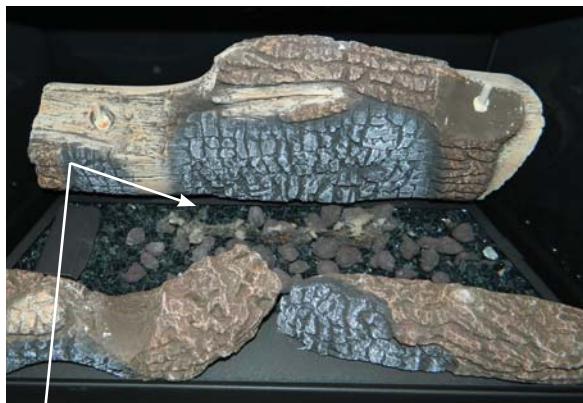
2. Place Log B at the front left of the Log Tray.



3. Place Log C at the front right of the log tray.

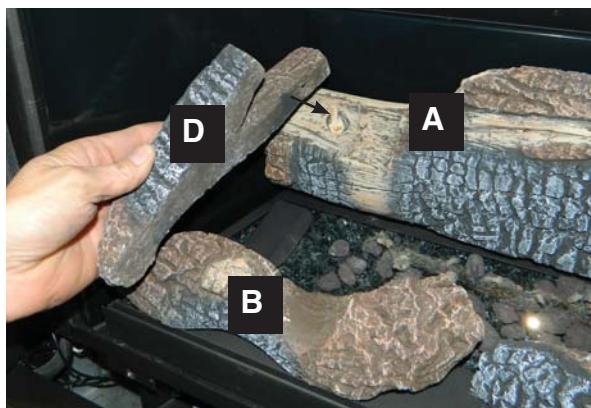


4. Place ember lava, platinum embers, and embaglow on the burner, being careful not to cover the pilot or the gas ports.

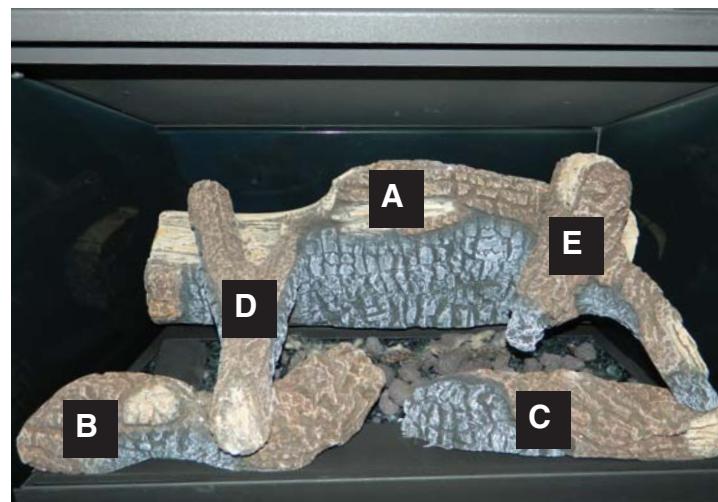
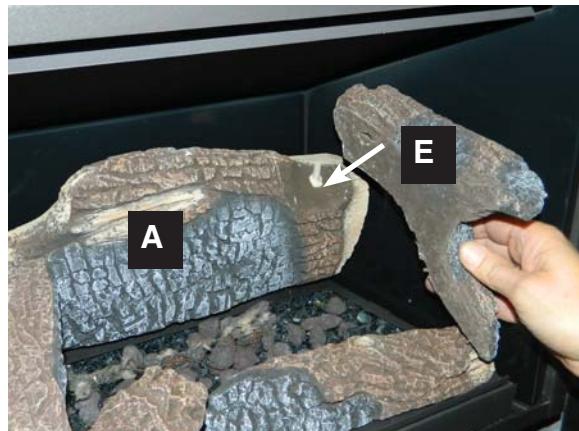


Ember Lava, Embaglow, Platinum Embers

5. Place Log D on the left pin of Log A and the groove in Log B.



6. Place Log E on the right pin on Log A and on top of Log C.



Final Install

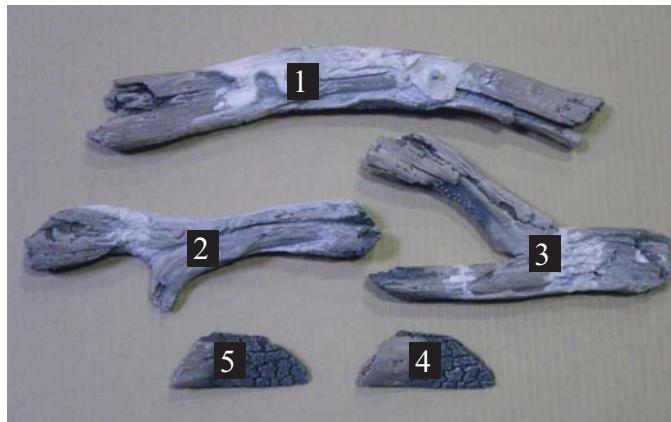
OPTIONAL LOG SET INSTALLATION

Read the instructions below carefully and refer to the images. If the logs are broken do not use the unit until they are replaced. Broken logs can interfere with pilot operation.

Improper positioning of the logs may create carbon build-up and can alter the unit's performance which is not covered under warranty.

*Satin black paint is included if touch ups are required.

1	Rear Log
2	Left Log
3	Right Log
4	Front Center Log Piece
5	Front Left Log Piece
	Log Brackets x 2



1. Shut off gas and electrical supply, allow unit to cool to room temperature.
2. Remove flush glass door (see unit manual).
3. Carefully remove the logs from the packaging and unwrap them. The logs are fragile, handle with care -never force into position.
4. Ensure glass crystals are installed on the burner. E18 = 5lbs
5. Install log brackets by clipping brackets to back of burner tray - measure 4" from outside edge of the burner tray to outside edge of bracket.



Brackets installed 4" from outside edge of burner tray

6. Install Rear Log (1), center log and rest on both left and right log brackets with pins facing up.



Rear log in position

7. Install Log 2 by matching pin locator on Log 2 with left pin on Log 1 as shown below.

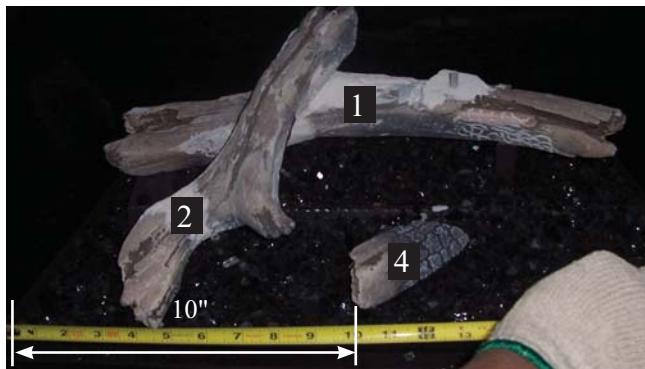


Log 2 pin locator match with Log 1 pin

8. Log 2 in position, Log 2 should touch lip of burner approximately 4-1/2" from the left outside edge of burner tray.



Log 2 in position



Right Log piece(4) positioned on glass

10. Install Log 3 by matching pin locator on Log 3 with right pin on Log 1 as shown below.



Installing Log 3

11. Installed Log 3 should touch burner position in the location shown below.
 * Measurement taken from left edge of burner tray - approximately 18".



Installed position of Log 3



Log 5 in position

13. Place lava embers/rocks on glass - ensure rocks do not block pilot. Do not place lava rocks/embers too close to logs as this may cause carboning.

14. Adjust aeration, see unit manual for setting.

15. Reverse Steps 2 and 1.



E18 final install

INSTALLATION

GLASS DOOR INSTALLATION

1. Hang Glass Door over the Door Frame Tabs.
2. Two Screws tighten the door on the two lower Glass Door Tabs.

WARNING:
Do not operate appliance with the glass front removed, cracked or broken.
Replacement of the glass should be done by a licensed or qualified service person.

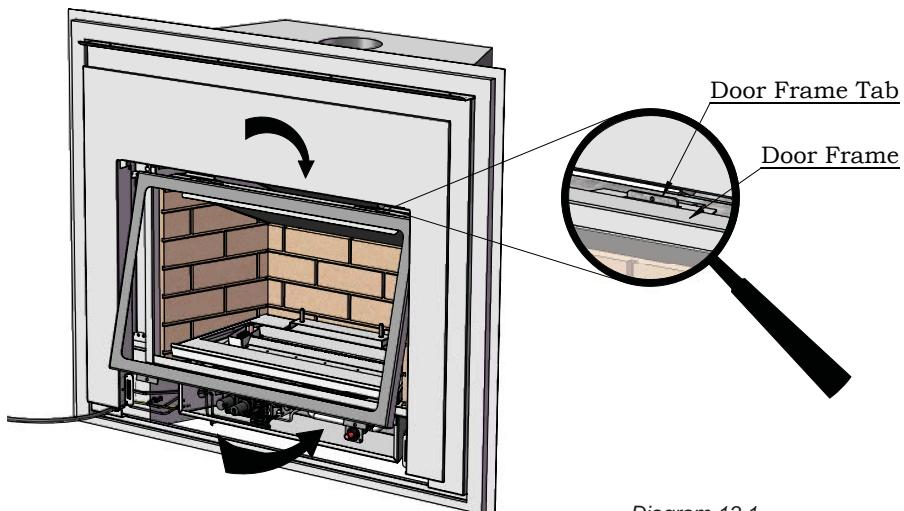


Diagram 13.1

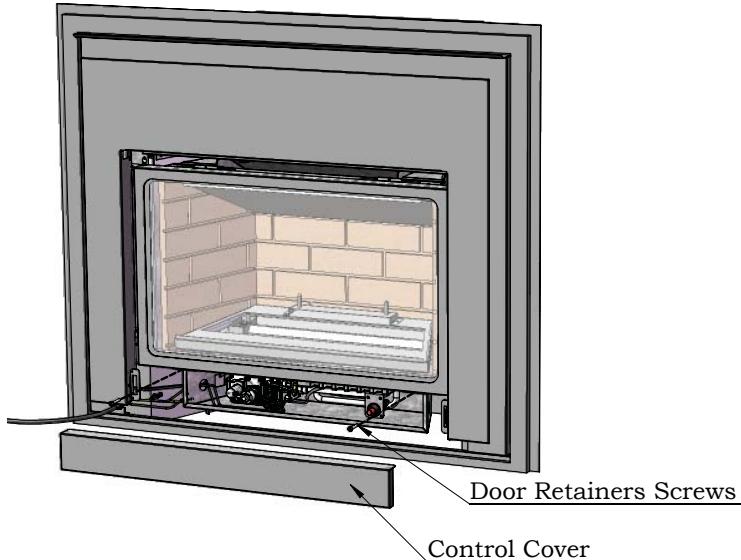


Diagram 13.2

SAFETY SCREEN REPLACEMENT

1. Remove Door as per E18 Installation section of the manual.
2. Remove the 4 screws to remove Safety Screen from Door.
3. Reverse order to reattach.
4. Install control cover supplied with screen.

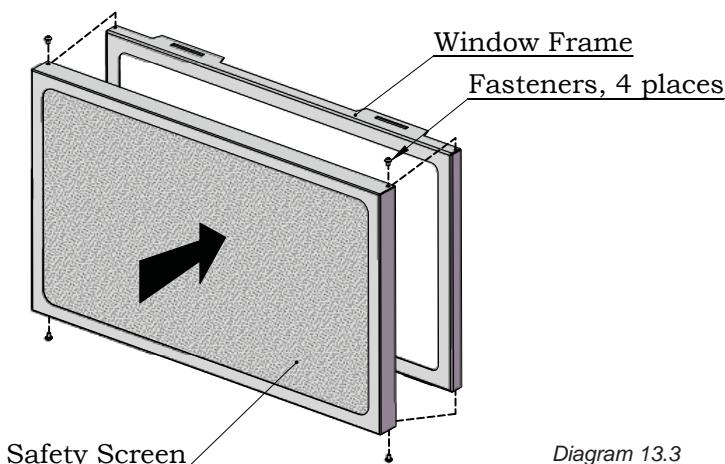


Diagram 13.3

DRAFTHOOD CHECK

A "spillage" test must be made before the installed unit is left with the customer. Follow the procedure below:

1. Start all exhaust fans in the home and then close all external doors and windows in the house. Remove the Front Trim from the E18 to gain better access to the Drafthood Opening. Make sure the Glass Door is on properly.
2. Light the unit and set controls to maximum.
3. After five minutes, test that there is a "pull" on the flue by placing a smoke match, cigarette or similar device which gives off smoke, in front of the spill tube. See diagram 14.1.

Check for proper draft by placing a match close to the drafthood opening. This should be checked after the unit has been operating for 15 min. The smoke should be drawn into the Drafthood. If the smoke is still not drawn into the Drafthood turn the unit off and check for the cause of the lack of draft. If necessary, seek expert advice. For wind turbulent sites, a wind cap may remedy the problem.

Note: The thermally activated safety switch will sense the change in temperature and shut down the gas valve in the event of a severe downdraft or a blocked or disconnected vent. The switch acts as a safety shut-off to prevent a build-up of carbon monoxide. If the flue is blocked or has no "draw", the switch will automatically shut off the supply of gas within 5 - 10 minutes. Tampering with the switch can result in carbon monoxide (CO) poisoning and possible death. If the heater turns off because of lack of draft during the spillage test, check for the cause and if necessary, seek expert advice.

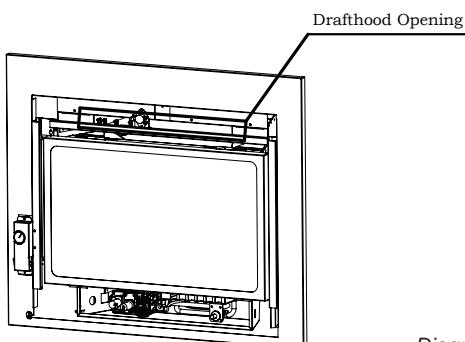
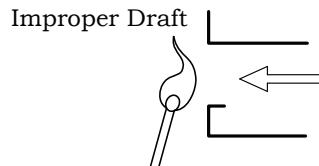
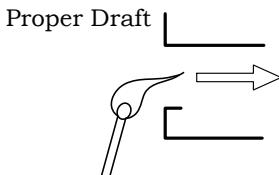


Diagram 14.1

E18 Shown with front faceplate removed



The thermally actuated safety switch will automatically reset after it has cooled off. The switch will continue to cycle until the draft problem is corrected. **DO NOT BYPASS OR DISCONNECT THIS SWITCH.**

REMOTE CONTROL

Use the Regency Remote Control Kit approved for this unit. Use of other systems may void your warranty.

The remote control kit comes with a hand held transmitter, a receiver and a wall mounting plate.

1. Choose a convenient location on the wall to install the receiver and the receptacle box (protection from extreme heat is very important). Run wires from the fireplace to that location. Use Thermostat Wire Table.
2. Disconnect the two wires, Red/Black from the on/off switch. Connect the receiver wires to the Red/Black wires only.

CAUTION
Do not wire millivolt wall thermostat wires to 120V wire.

3. Install 3 AAA alkaline batteries in transmitter and 4 AA alkaline batteries in the receiver. Install the receiver and its cover in the wall. Switch the remote receiver to "remote" mode. The remote control is now ready for operation. Note: Transmitter and receiver need to be programmed.

WALL SWITCH

- 1) Run the wire through the right or left side inlet opening. Be careful not to damage the wire.

Note: We recommend a maximum of 15' of wire but if you wish to go with a longer run, use the Thermostat Wire Table.

- 2) Connect the wire to the supplied wall switch and install into the receptacle box.

CAUTION
Do not wire millivolt wall switch wire to 120V wire.

WALL THERMOSTAT

A basic wall thermostat is supplied with the unit, connect the wires as per the wiring diagram. Use table below to determine the maximum wire length.

Note: Preferable if the thermostat is installed on an interior wall.

Regency offers an optional programmable thermostat but any 250-750 millivolt rated non-anticipator type thermostat that is CSA, ULC or UL approved may be used.

CAUTION
Do not wire millivolt wall thermostat wires to 120V wire.

Thermostat Wire Table

Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System)	
Wire Size	Max. Length
14 GA.	50 Ft.
16 GA.	32 Ft.
18 GA.	20 Ft.
20 GA.	12 Ft.
22 GA.	9 Ft.

SAFETY SWITCHES

The E18 uses two safety switches to maintain proper operation.

The first is a Spill Switch which will shut off the appliance if continuous spilling of exhaust gas from the drafthood occurs. The spill switch will shut off the Main Burner but not the Pilot. This switch is resets automatically, if the problem persists the appliance will cycle on and off. If this occurs, shut the unit off and contact a technician.

The second is a Primary Limit Switch. This switch confirms that the circulation fan is operating normally. If for any reason the circualtion fan fails, the Primary Limit Switch will turn off the Main Burner but not the Pilot before the appliance becomes too hot. This switch is automatic resetting, so if the problem persists you will see your appliance cycling on and off. If this occurs shut the unit off and contact a technician.

OPERATION CONTROLS

FIREPLACE CONTROLS

The E18 has 3 controls for controlling flame height, fan speed and flame on/off. The fan on the E18 is designed to come on once the fireplace has reached a pre-determined temperature, and to go off once the temperature has dropper following use.

The speed of the fan can be varied by adjusting the Fan Speed Control dial up or down. These controls are located to the left side of the Surround Panels.

Providing that the pilot system is in standing mode, the main burner can be turned on or off by way of a switch located just below the Fan Speed Control dial.

See the Lighting Instruction section in this manual for information on lighting the pilot.

The flame height can be adjusted from minimum to maximum by way of an adjustment knob on the Control Valve, located behind the Access Panel.

The Access Panel is held in place by magnets and can simply be lifted away from the unit and set aside.

Note: Supplied white cord channel

Use cord channel to obscure cord and keep tidy. The cord is located on the left hand side of the appliance.

1. Open channel and feed cord through.
2. Peel off backing of cord channel and adhere to hearth.

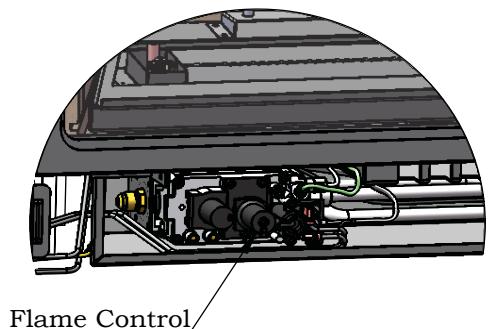
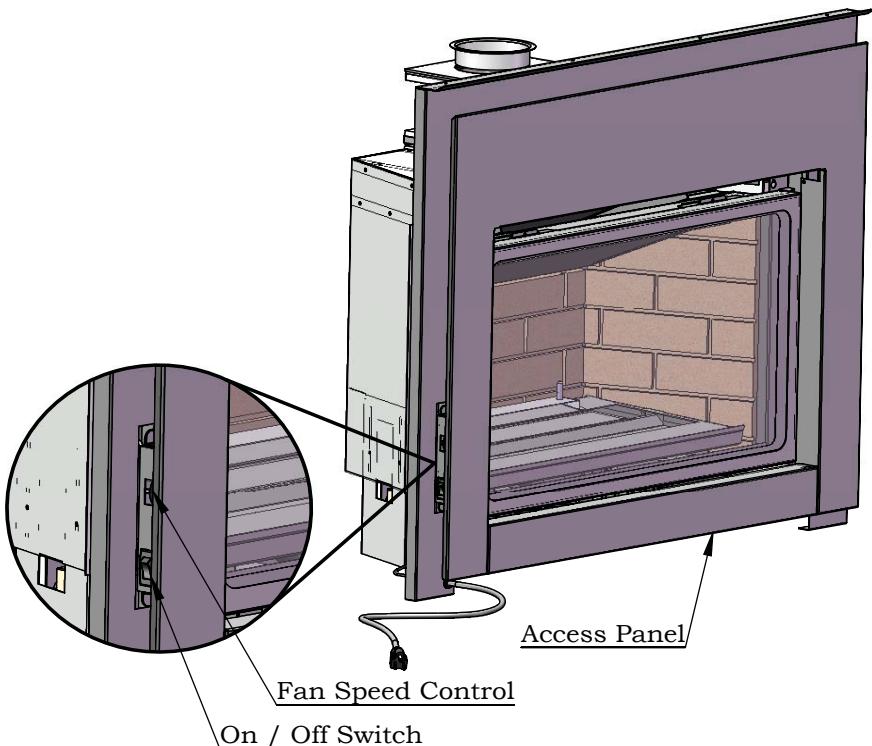


Diagram 15.1

FINAL CHECK

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly. This includes:

1. Clocking the appliance to ensure the correct firing rate (rate noted on label) at 15 minutes.
2. If required, adjusting the primary air to ensure that the flame does not carbon. First allow the unit to burn for 15 min. to stabilize.
3. Check for proper draft.

CAUTION

Any alteration to the product that causes sooting or carboning that results in damage to the unit is not the responsibility of the manufacturer and will not be covered by the warranty.

OPERATING INSTRUCTIONS

Before operating this appliance, proceed through the following check list.

1. **Read and understand these Instructions before operating this appliance.**
2. Check to see that all wiring is correct and enclosed to prevent possible shock.
3. **Check to ensure there are no gas leaks.**
4. Make sure the glass door is in place. **Never operate the appliance with the door glass removed.**
5. Verify that all venting and the cap is unobstructed.
6. Verify log placement. If the pilot cannot be seen when lighting the unit - the logs or the embers have been incorrectly positioned.
7. The unit should never be turned off and on again without a minimum of a 60 second wait.
8. When lighting the appliance, the inside of the glass may fog up, this will burn off after a few minutes of operation.

LIGHTING PROCEDURE

NOTE: For all propane units and units equipped with electric spark boxes, see "Copy of Lighting Plate Instructions" section for more details.

IMPORTANT: Gas on/off knob cannot be turned from "PILOT" to "OFF" unless it is partially depressed.

1. Open the bottom louver assembly
2. If the control knob is in the "OFF" position proceed to Step 5.
3. Push in gas control knob slightly and turn clockwise to "OFF". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.
4. Wait five minutes to allow gas, that may have accumulated in the main burner compartment, to escape. If you do smell gas, follow the instructions on the front of this manual. If you don't smell gas continue on to the next step.
5. Turn the gas control counter clockwise to "PILOT".

6. Push in control knob all the way and hold in. Continually push and release the black button on spark igniter until pilot lights. Continue to hold the control knob in for approximately one minute, then release the gas control knob. The pilot flame should continue to burn. If the pilot does not remain lit, repeat operation allowing a longer period before releasing gas control knob.

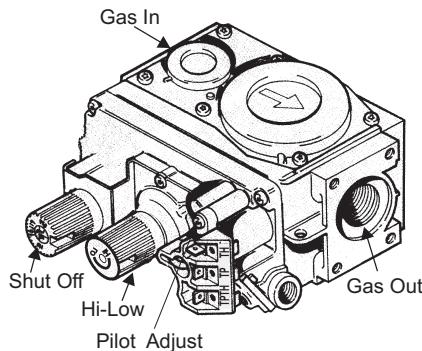


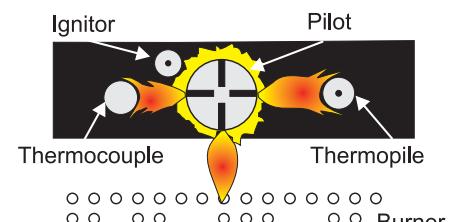
Diagram 16.1

7. Turn gas control knob counter clockwise to "ON".
8. Use the rocker switch to operate main burner.
9. Rotate the variable flame control to adjust the flame height higher or lower.
10. Close the bottom louver assembly.

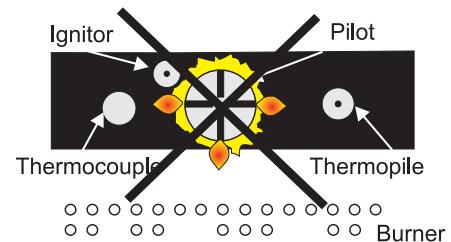
PILOT ADJUSTMENT

Periodically check the pilot flames. Correct flame pattern has three strong blue flames: 1 flowing around the thermopile, 1 around the thermocouple and 1 flowing across the burner (it does not have to be touching the burner).

Note: If you have an incorrect flame pattern, contact your FPI dealer for further instructions.



Incorrect flame pattern will have small, probably yellow flames, not coming into proper contact with the rear burner or thermopile or thermocouple.



SHUTDOWN PROCEDURE

1. Use the rocker switch to turn off the main burner.
2. Open the bottom louver assembly.
3. Push in the gas control knob slightly and turn clockwise to "OFF". Do not force.
4. Pilot must be shut off during prolonged non use periods to conserve fuel.
5. Disconnect all electric power and gas to the appliance if service is to be performed.

OPERATING INSTRUCTIONS

FIRST FIRE

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time you use it with the fan on. When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

The glass panel may require cleaning after the unit has cooled down.

DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.

Do not use abrasive cleaners on the glass.

Note: When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear in a few minutes as the glass heats up.

DO NOT BURN THE APPLIANCE WITHOUT THE GLASS FRONT IN PLACE.

COPY OF LIGHTING PLATE INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE LIGHTING

This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA B149.1. Australia: AG601, New Zealand: NZS 5261

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or gas supplier.

A) This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B) BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance
- Do not touch any electric switch, do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C) Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified Service Technician. Force or attempted repair may result in a fire or explosion.

D) Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

E) This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

CAUTION: Hot while in operation. Do not touch. Severe Burns may result. Due to high surface temperatures keep children, clothing and furniture, gasoline and other liquids having flammable vapors away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

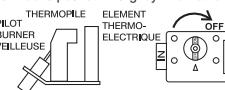
LIGHTING INSTRUCTIONS

STOP!

Read the safety information above on this label.

FOR UNITS NOT EQUIPPED WITH ELECTRIC SPARK BOXES:

1) Push in gas control knob slightly and turn clockwise to "OFF". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.



2) Wait five (5) minutes to clear out any gas. If you then smell gas STOP! follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

3) Turn knob on gas control counterclockwise to "PILOT".

4) Push in control knob all the way and hold in. Continually push and release the black button on spark igniter until pilot lights. Continue to hold the control knob in for about 1/2 minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 1 to 4). If knob does not pop up when released, stop and immediately call your service technician or gas supplier. If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

5) Turn gas control knob counterclockwise to "ON".

6) Use rocker switch to operate main burner.

FOR ALL PROPANE UNITS AND UNITS EQUIPPED WITH ELECTRIC SPARK BOXES:

1) Push in gas control knob slightly and turn to "PILOT" position.

2) Push in control knob all the way and hold in until the pilot lights up. Continue to hold the control knob in for about 20 seconds after the pilot is lit. Release knob.

3) Push in gas control knob slightly and turn to "ON" position.

4) Turn ON the flame switch.



TO TURN OFF GAS APPLIANCE

1) Turn off the flame switch.

2) Push in the gas control knob slightly and turn clockwise to "OFF". Do not force.

3) Turn off all electric power to the appliance if service is to be performed.

Pilot must be shut off during prolonged non use periods to conserve fuel.

918-475
DO NOT REMOVE THIS INSTRUCTION PLATE

OPERATION

The fan operates automatically, turn the knob on the side of the faceplate to adjust to the desired speed. The fan will turn on as the stove comes up to operating temperature. After the unit has been turned off and the unit cooled to below a useful heat output range the fan will shut off automatically. This fan is required for normal operation, If the fan stops working at anytime the unit will automatically turn off after a delay of approximately 15-30 minutes.

NORMAL OPERATING SOUNDS OF GAS APPLIANCES

It is possible that you will hear some sounds from your gas appliance. This is perfectly normal due to the fact that there are various gauges and types of steel used within your appliance. Listed below are some examples. All are **normal operating sounds** and should not be considered as defects in your appliance.

Blower:

Regency® gas appliances use high tech blowers to push heated air farther into the room. It is not unusual for the fan to make a "whirring" sound when ON. This sound will increase or decrease in volume depending on the speed setting of your fan speed control.

Burner Tray:

The burner tray is positioned directly under the burner tube(s) and logs and is made of a different gauge material from the rest of the firebox and body. Therefore, the varying thicknesses of steel will expand and contract at slightly different rates which can cause "ticking" and "cracking" sounds. You should also be aware that as there are temperature changes within the unit these sounds will likely re-occur. Again, this is normal for steel fireboxes.

Blower Thermodisc:

When this thermally activated switch turns ON it will create a small "clicking" sound. This is the switch contacts closing and is normal.

Pilot Flame:

While the pilot flame is on it can make a very slight "whisper" sound.

Gas Control Valve:

As the gas control valve turns ON and OFF, a dull clicking sound may be audible, this is normal operation of a gas regulator or valve.

Unit Body/Firebox:

Different types and thicknesses of steel will expand and contract at different rates resulting in some "cracking" and "ticking" sounds will be heard throughout the cycling process.

MAINTENANCE INSTRUCTIONS

1. Always turn the gas valve to off before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year.

When cleaning the logs, use a clean soft paint brush as the logs are fragile and easily damaged.

2. Clean (never when unit is hot) appliance, door and louvers with a damp cloth. Never use an abrasive cleaner. The gold louvers (and optional gold door) may be scratched if abrasives are used to clean them.
3. Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call a qualified service person.

4. The appliance and venting system must be inspected before use, and at least annually, by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed.

During the annual service call, the burners should be removed from the burner tray and cleaned. Replace the embers but do not block the pilot.

5. Keep the area near the appliance clear and free from combustible materials, gasoline and other flammable vapours and liquids.
6. Each time the appliance is lit, it may cause condensation and fog the glass. This condensation and fog is normal and will disappear in a few minutes as the glass heats up.

Never operate the appliance without the glass properly secured in place or with the door open.

7. Verify proper operation after servicing.
8. Periodically check the pilot flames, see the diagrams in the "Valve Description" section. If you have an incorrect flame pattern, contact your Regency® dealer for further instructions.

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.

CAUTION: ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

LOG REPLACEMENT

The unit should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening door to carefully remove the logs. The pilot light generates enough heat to burn someone. If for any reason a log should need replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagram under Log Installation.

NOTE: Improper positioning of logs may create carbon build-up and will alter the unit's performance which is not covered under warranty.

GLASS GASKET

If the glass gasket requires replacement use Part # 936-155 to order new gasket.

DOOR GLASS

Your Regency® fireplace is supplied with high temperature 5mm-Ceramic glass. If your glass requires cleaning, we recommend using an approved glass cleaner available at all authorized dealers. Do not use abrasive materials.

CAUTION & WARNINGS:

- * Do not clean when the glass is hot.
- * The use of substitute glass will void all product warranties.
- * Care must be taken to avoid breakage of the glass.
- * Do not strike or abuse the glass.
- * Do not operate this fireplace without the glass front or with a cracked or broken glass front.
- * Wear gloves when removing damaged or broken glass.
- * Replacement of the glass panels should be done by a licensed or qualified service person.

GLASS REPLACEMENT

In the event that you break your glass by impact, purchase your replacement from an authorized Regency dealer only. Replacement glass (Part #616-040/P) is shipped already installed into the door frame. Reinstall as per Glass Door Installation in the "Glass Door Removal" section.

VALVE REPLACEMENT

1. Shut off the gas and electrical supply.
2. Remove Faceplate Control Cover (see instructions in manual).
3. Remove Glass Door (see instructions in manual).
4. Remove Log Set and Embers or crystals and stones (if installed).
5. Remove Burner and Panels (see instructions in this manual).
6. Unplug the TH and TN/TP wires on the front of the Valve.

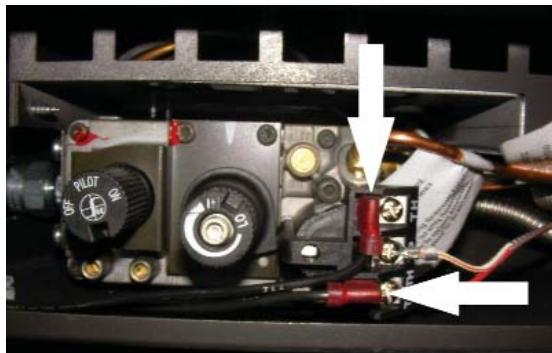


Diagram 17.1

7. Disconnect piezo wire from piezo ignitor.
8. Unscrew the 8 screws holding down the Valve Tray.

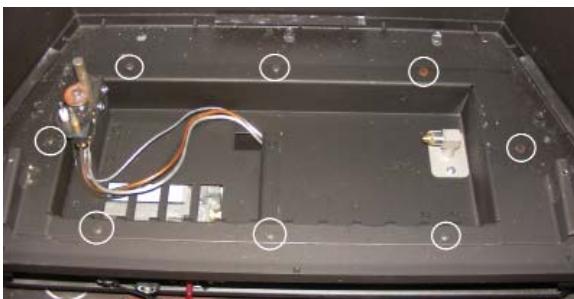


Diagram 17.2

9. Slide the Valve Tray out about half way giving easier access to the gas connection at the valve.



Diagram 17.3

10. Disconnect the gas line and remove the valve tray.

INSTALLING VALVE

1. Place new valve tray and gasket into position.
2. Reverse Steps 10-1.
3. Check for gas leaks.

REMOVING THE FAN

IMPORTANT
Disconnect power supply
before servicing.

1. Shut off the gas and electrical supply.
2. Remove Control Cover. (see instructions in manual)
3. Remove Glass Door.(see instructions in manual)
4. Remove Log Set and Embers or crystals and stones (if installed).
5. Remove Burner and Panels (see instructions in manual)
6. Remove Valve Tray - see previous page.
7. Disconnect Ground Wires and unclip Safety Circuit Wires and remove through Grommet .

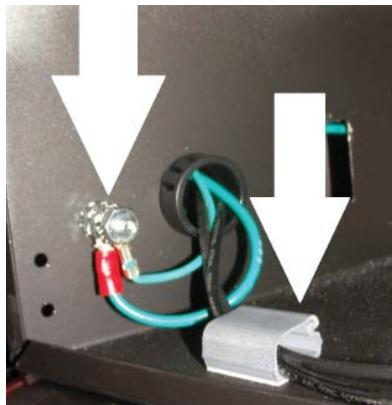


Diagram 18.1

8. Loosen 4 screws holding in Air Inlet Baffle and remove it.
9. Loosen 3 screws holding in the Circulation Fan.
10. Disconnect Power Leads on Fan Motor

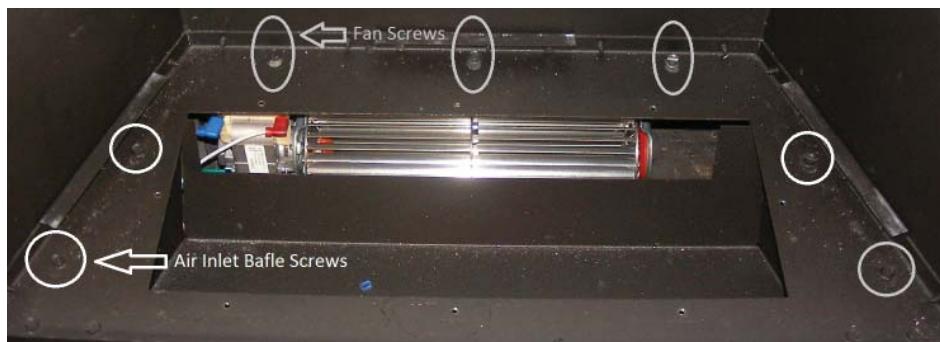


Diagram 18.2

11. Reverse Steps to reinstall.

WIRING DIAGRAMS

This heater requires a 120V A.C. supply for operation of the circulation fan which is required for operation of the fireplace. In case of a power failure, the fireplace can be turned on but a thermal safety switch will cut out the appliance before it gets to hot. The unit will cycle on and off as required to stay within temperature specifications.

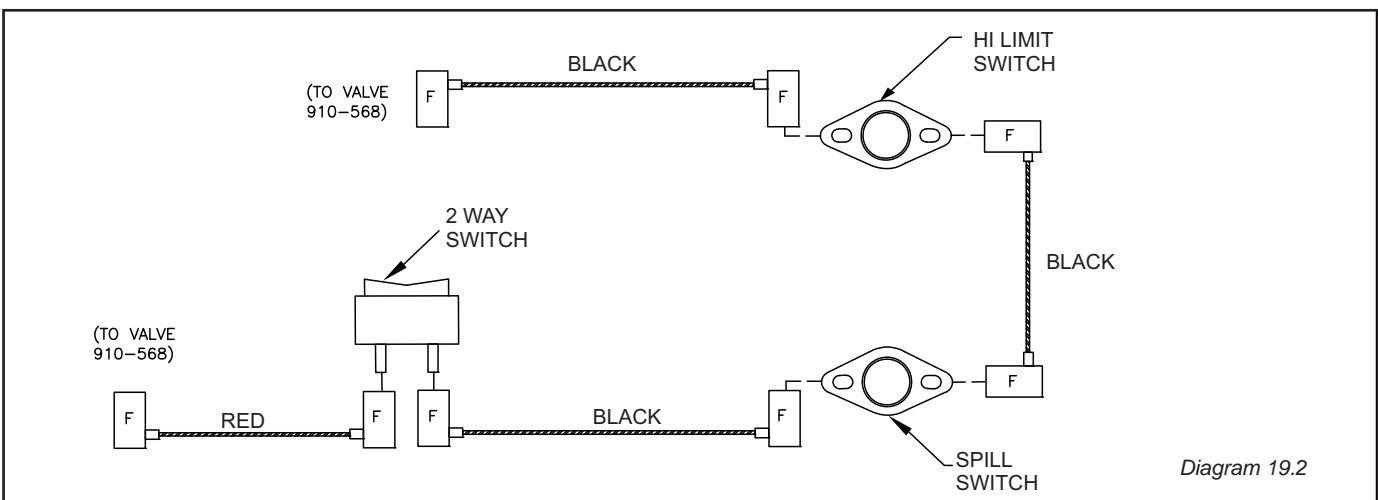
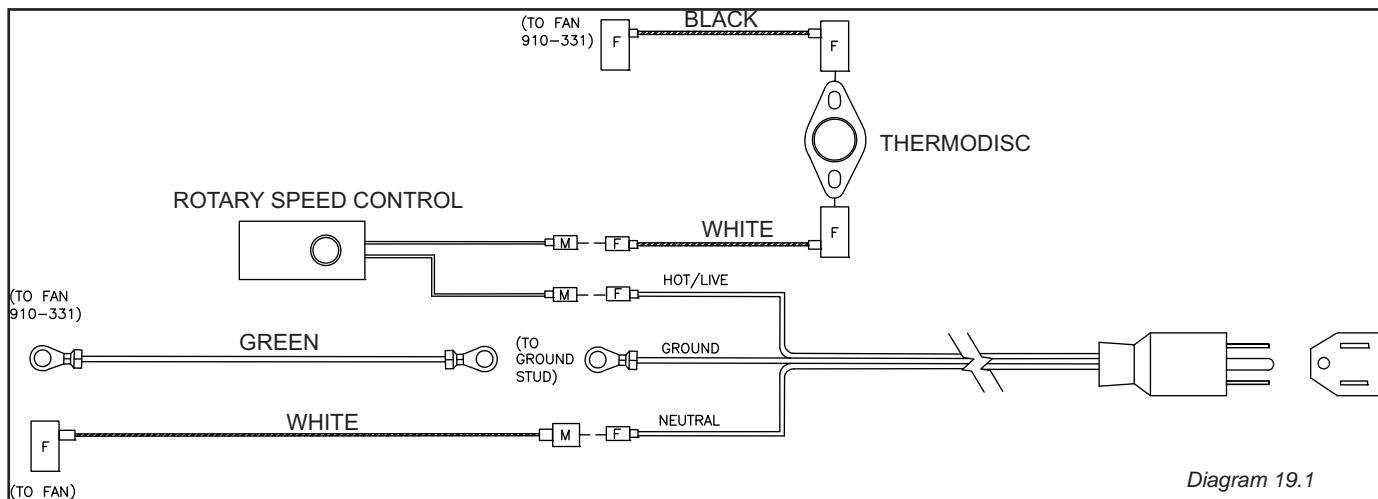
Caution: Ensure that the wires do not touch any hot surfaces and are away from sharp edges.

When connected with 120 volts, the appliance must be electrically grounded in accordance with local codes or, in the absence of local

codes the current CSA C22.1 (in Canada) or with the National Electrical Code ANSI/NFPA 70-1987 (in USA).

NOTE: This unit is equipped with a heat sensor thermodisc which will prevent the blower from operating until the unit reaches the correct temperature.

For NATURAL GAS Units and Units NOT Equipped with DC Spark Boxes



CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

WARNING: Electrical Grounding Instructions

This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

Main Assembly

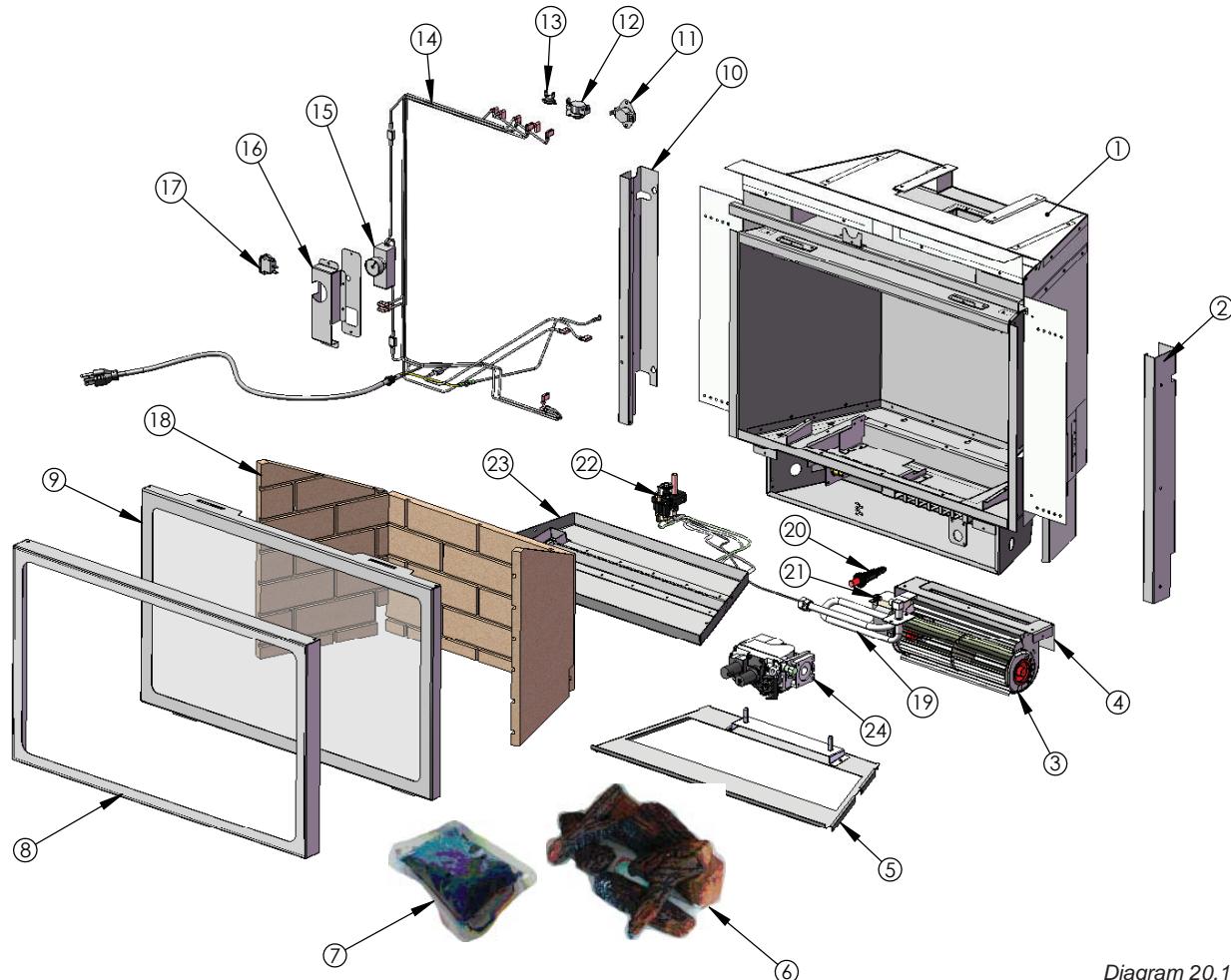


Diagram 20.1

	Part #	Description		Part #	Description
1		E18 Body	13	911-118	Primary Limit Switch
2	616-047	Surround Bracket R		910-407	Basic Wall Thermostat
3	911-071	Fan	15	911-116	Fan Controller
4	616-043	Fan Mounting Bracket	16	616-071	Control Box
5	616-515	Log Tray	17	910-246	On/Off Switch
6	616-930	Log Set	18	616-901/2	Brick Panels
		White cord channel	19	904-943	Orifice Mount
8	616-929	Mesh screen	20	910-190	Piezo Ignitor
9	616-040	Glass door	21	904-946	Gas Orifice
10	616-048	Surround Bracket L	22	910-034	Pilot Assembly
11	911-119	Spill Switch	23	616-526	Burner
12	W241050	Fan Switch	24	910-568	Gas Valve

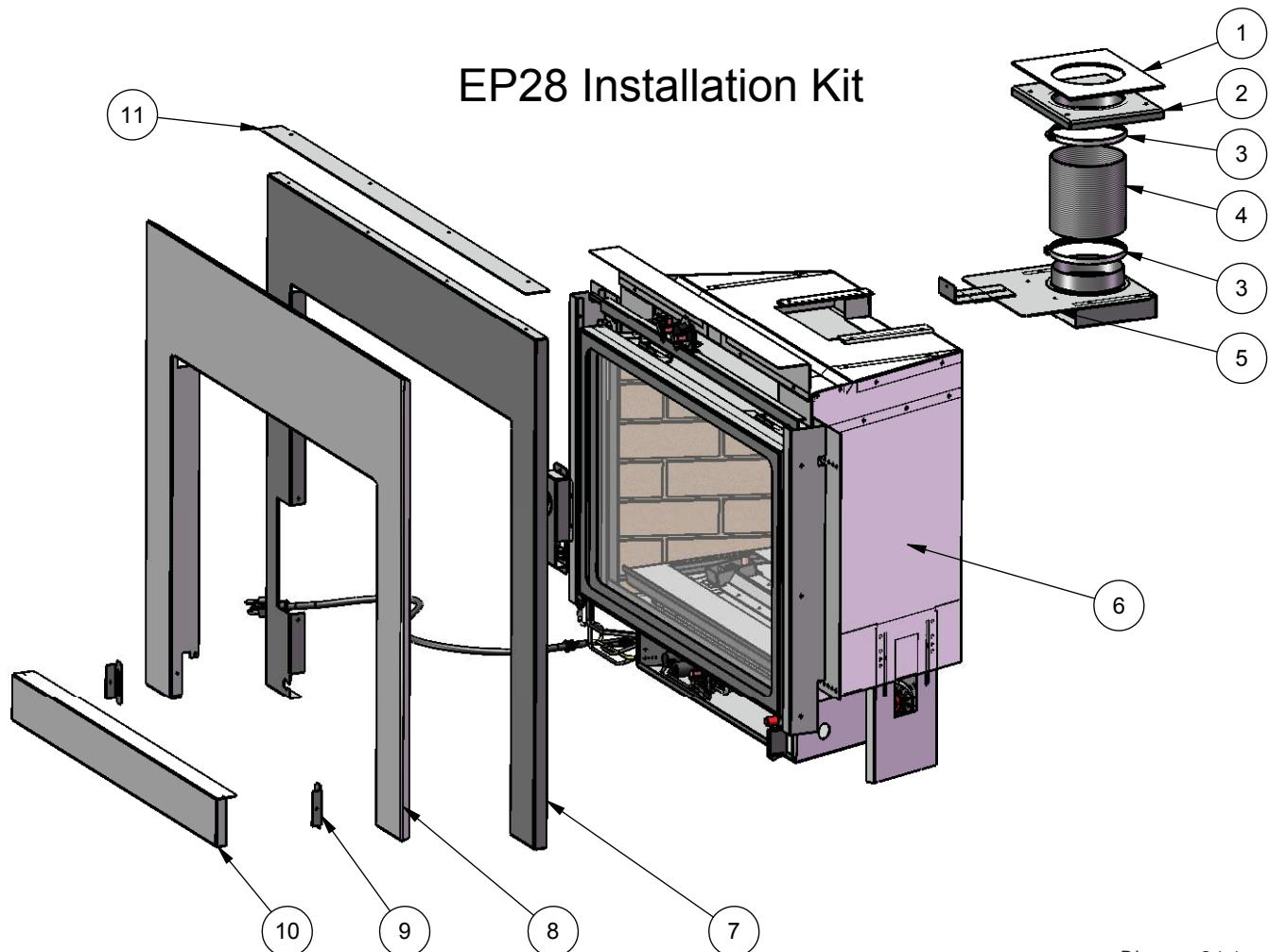


Diagram 21.1

	Part #	Description		Part #	Description
1	616-070	Adaptor plate gasket	7		E18 Body
2	616-069	Adaptor plate	8	616-068	Surround Panel Rear
3			9	616-067	Surround Panel Right
4	904-960	Ring clamp -Installer supplied	10		Magnet and Bracket
5	948-338	Flex Vent Section - Installer supplied	11	616-051	Control Cover
6	616-023	Flue Slider Plate	12		

Montigo 28-F & 28F-2 Installation Kit

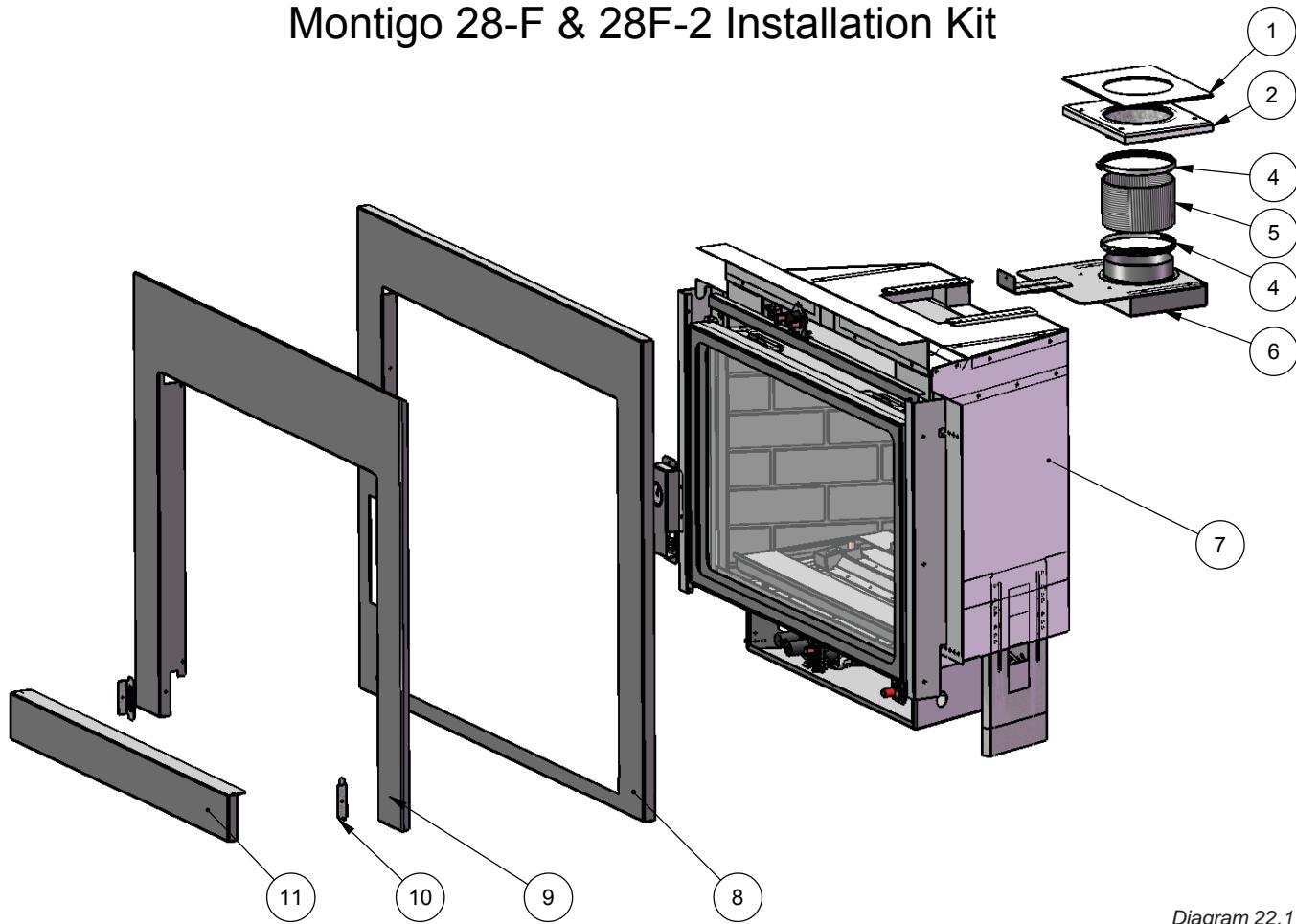


Diagram 22.1

	Part #	Description		Part #	Description
1	616-070	Adaptor plate gasket	7		E18 Body
2	616-069	Adaptor plate	8	616-068	Surround Panel Rear
3			9	616-067	Surround Panel Right
4	904-960	Ring clamp -Installer supplied	10		Magnet and Bracket
5	948-338	Flex Vent Section - Installer supplied	11	616-051	Control Cover
6	616-023	Flue Slider Plate	12		

Montigo 36SR Installation Kit

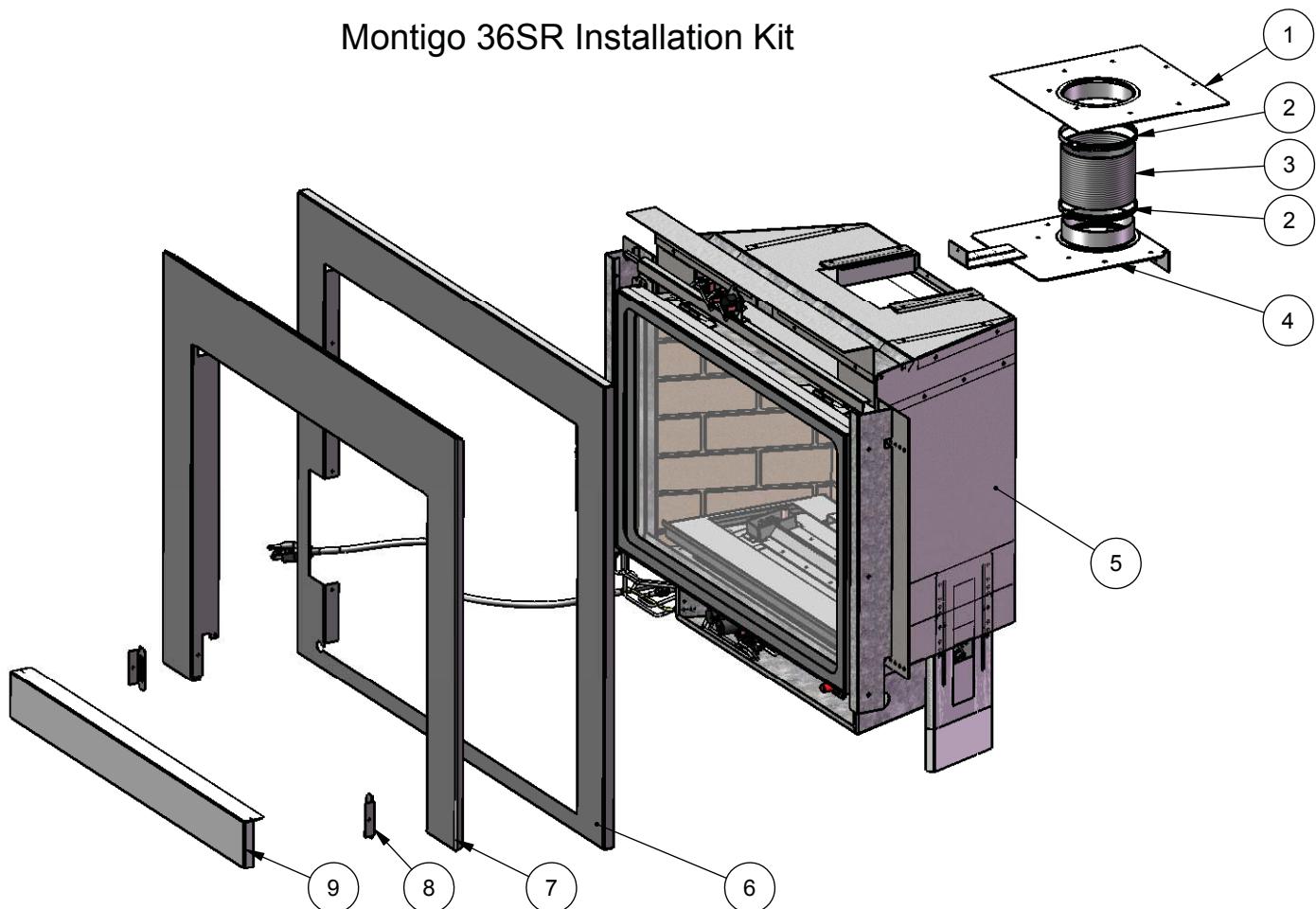


Diagram 23.1

Item	Part #	Description	Item	Part #	Description
1		Collar Adaptor Plate	7		Surround Panel Front
2		Ring Clamp - Installer Supplied	8		Magnet / Bracket
3		Flex Section - Installer Supplied	9		Control Cover
4		Adaptor Slide Plate	10		
5		E18 Chasis	11		
6		Surround Panel Rear	12		

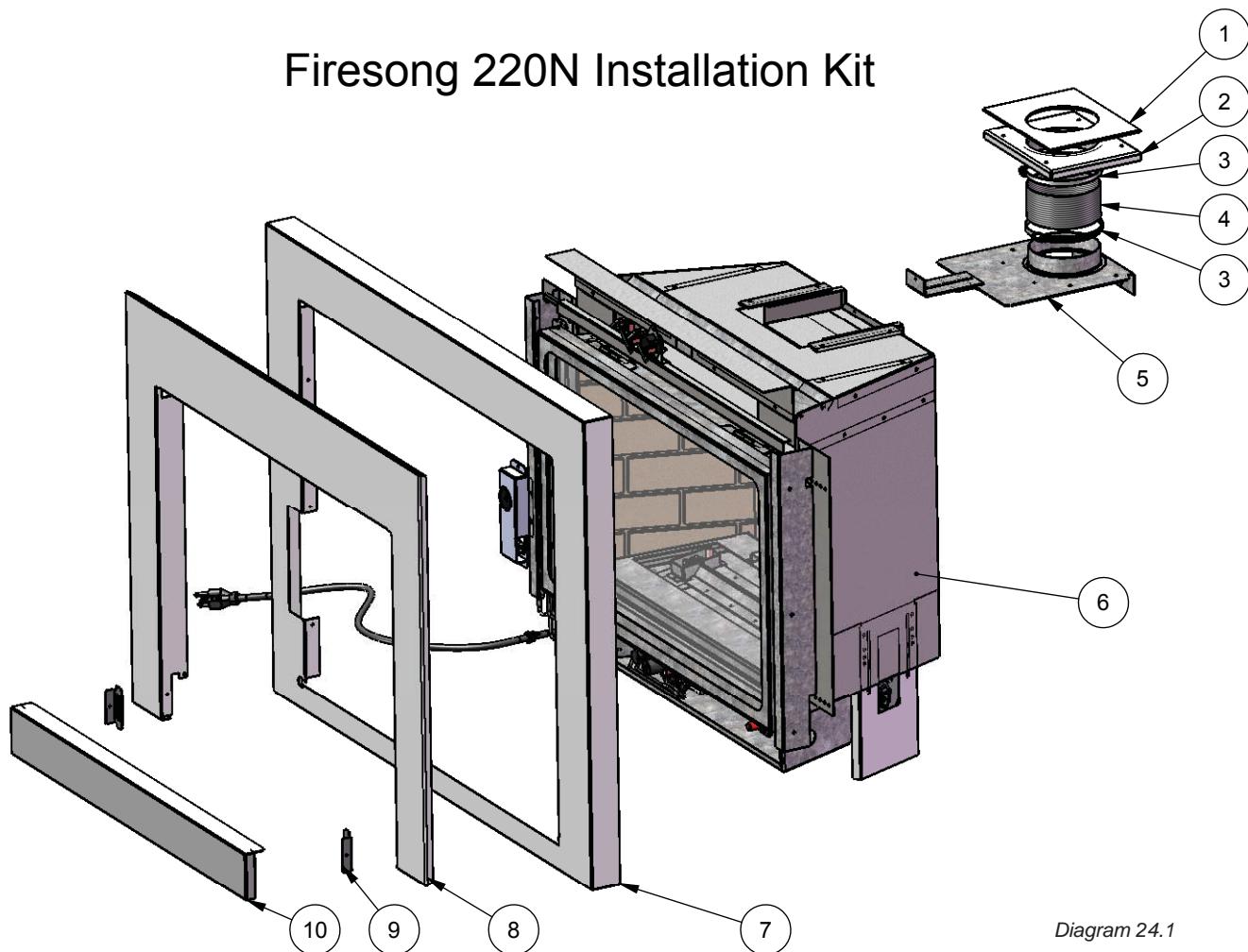
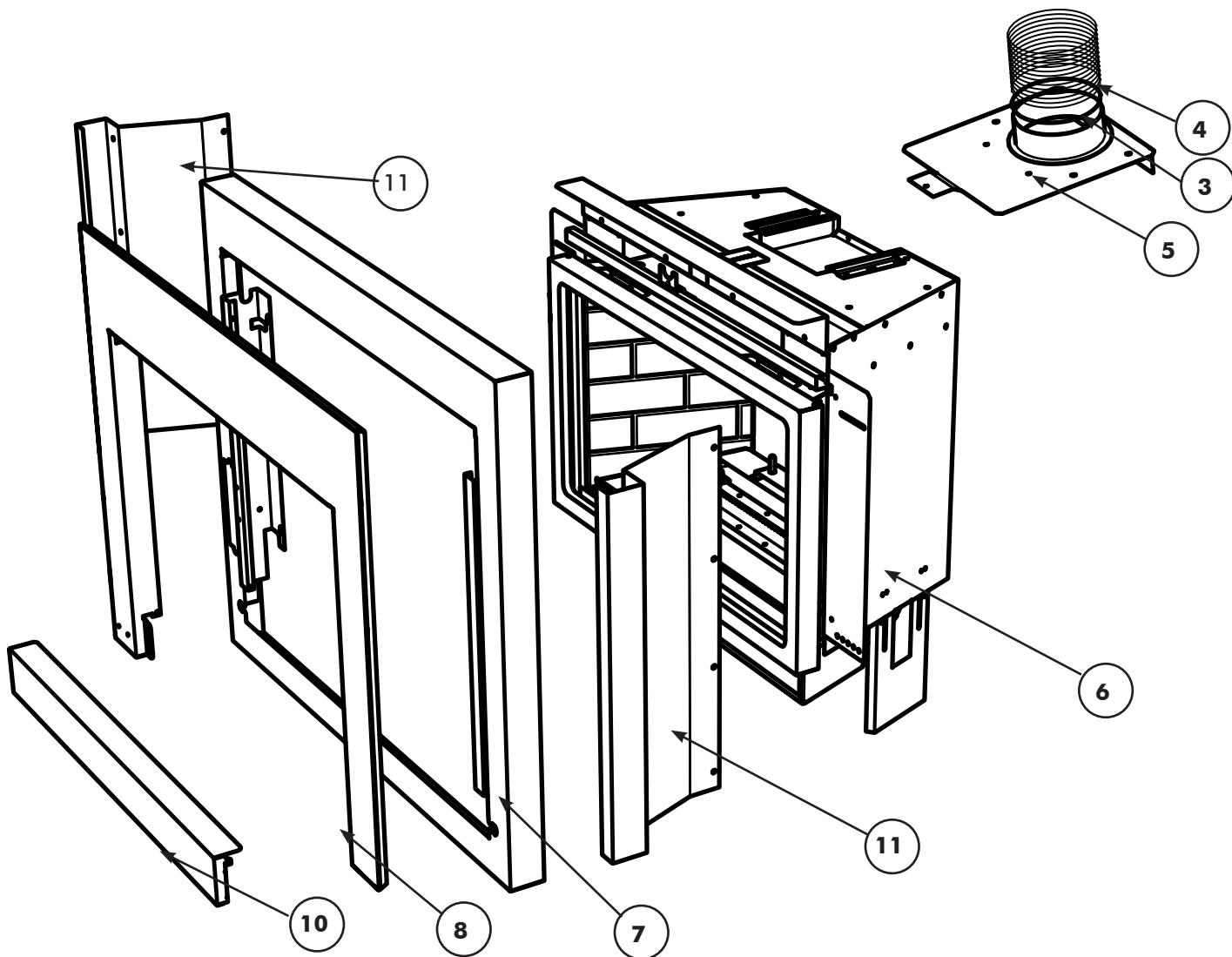


Diagram 24.1

Item	Part #	Description	Item	Part #	Description
1		Adaptor Plate Gasket	7		Surround Panel Rear
2		Adaptor Plate	8		Surround Panel Front
3		Ring Clamp - installer supplied	9		Magnet / bracket
4		Fex Section - installer support	10		Control Cover
5		Adaptor Slide Plate	11		
6		E18 Chassis	12		

Firesong 120N Installation Kit



Item	Part #	Description	Item	Part #	Description
			8		Faceplate panel Front
3		Ring Clamp	9		Magnet Bracket (not shown)
4		Flex section	10		Control Cover
5		Adaptor Slide Plate	11		Firesong 120N Firebox supports
6		E18 Chassis			
7		Faceplate panel Rear			



Regency Fireplace Products are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our facility. FPI Fireplace Products International Ltd. is pleased to extend this limited lifetime warranty to the original purchaser of a Regency Product. This warranty is not transferable.

The Warranty: Limited Lifetime

The combustion chamber, heat exchanger, burner tubes/pans, logs, brick panels and gold plating (against defective manufacture only) are covered under the Limited Lifetime Warranty for five (5) years for parts and subsidized labour* and parts only thereafter.

Glass is covered for lifetime against thermal breakage only, parts and subsidized labour* for five (5) years and parts only thereafter from date of purchase.

External casting, surrounds and grills are covered against cracks and warps resulting from manufacturer defects, parts and subsidized labour* for three (3) years from the date of purchase and parts only thereafter.

Special Finishes - One year on brushed nickel and antique copper full screens and doors. You can expect some changes in color as the product "ages" with constant heating and cooling. FPI warranties the product for any manufacturing defects on the original product. However, the manufacturers warranty does not cover changing colors and marks, ie. finger prints, etc applied after the purchase of the product. Damage from the use of abrasive cleaners is not covered by warranty.

Electrical and mechanical components such as blowers, switches, wiring, thermodiscs, FPI remote controls, spill switches, thermopiles, thermocouples, pilot assembly components, and gas valves are covered for two years parts and one year subsidized labour* from the date of purchase. Blowers and valves replaced under warranty are considered repairs and continue as if new with appliance. ie. twelve (12) months from original purchase date of appliance with a minimum of three (3) months coverage from date of replacement.

FPI venting components are covered parts and subsidized labour* for three (3) years from date of purchase.

Simpson Dura-Vent venting components (Direct Vent units) are covered by Simpson Dura-Vent Inc. warranty.

Repair/replacement parts purchased by the consumer from FPI after the original coverage has expired on the unit will carry a 90 day warranty, valid with a receipt only. Any item shown to be defective will be repaired or replaced at our discretion. No labor coverage is included with these parts.

Conditions:

Any part or parts of this unit which in our judgement show evidence of such defects will be repaired or replaced at FPI's option, through an accredited distributor or agent provided that the defective part be returned to the distributor or agent Transportation Prepaid, if requested.

Porcelain/Enamel - Absolute perfection is neither guaranteed nor commercially possible. Any chips must be reported and inspected by an authorized dealer within three days of installation. Reported damage after this time will be subject to rejection.

It is the general practice of FPI to charge for larger, higher priced replacement parts and issue credit once the replaced component has been returned to FPI and evaluated for manufacturer defect.

The authorized selling dealer is responsible for all in-field service work carried out on your Regency product. FPI will not be liable for results or costs of workmanship from unauthorized service persons or dealers.

At all times FPI reserves the right to inspect product in the field which is claimed to be defective.

All claims must be submitted to FPI by authorized selling dealers. It is essential that all submitted claims provide all of the necessary information including customer name, purchase date, serial #, type of unit, problem, and part or parts requested, without this information the warranty will be invalid.

Exclusions:

This limited Lifetime Warranty does not extend to or include paint, door or glass gasketing or trim.

At no time will FPI be liable for any consequential damages which exceed the purchase price of the unit. FPI has no obligation to enhance or modify any unit once manufactured. ie. as products evolve, field modifications or upgrades will not be performed.

FPI will not be liable for travel costs for service work.

Installation and environmental problems are not the responsibility of the manufacturer and therefore are not covered under the terms of this warranty policy.

Embers, rockwool, gaskets, door handles and paint are not covered under the terms of this warranty policy.

Any unit which shows signs of neglect or misuse is not covered under the terms of this warranty policy.

The warranty will not extend to any part which has been tampered with or altered in any way, or in our judgment has been subject to misuse, improper installation, negligence or accident, spillage or downdrafts caused by environmental or geographical conditions, inadequate ventilation, excessive offsets, negative air pressure caused by mechanical systems such as furnaces, fans, clothes dryer, etc.

Freight damage to stoves and replacement parts is not covered by warranty and is subject to a claim against the freight carrier by the dealer.

FPI will not be liable for acts of God, or acts of terrorism, which cause malfunction of the appliance.

Performance problems due to operator error will not be covered by this warranty policy.

Products made or provided by other manufacturers and used in conjunction with the operation of this appliance without prior authorization from FPI, may nullify your warranty on this product.

Register your Regency® warranty online

www.regency-fire.com

Reasons to register your product online today!

- View and modify a list of all your registered products.
- Request automatic email notification of new product updates.
- Stay informed about the current promotions, events, and special offers on related products.

Installer: Please complete the following information

Dealer Name & Address: _____

Installer: _____

Phone #: _____

Date Installed: _____

Serial No.: _____